

# REVELADO DE PELICULA EN B/N

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- **Continúa agitación**

**\*\* Todos los tiempos se toman para revelar a 20° centígrados.**

## PATERSON ACUPAN FILMS

### ACUPAN 100

| REVELADOR  | ASA | MINUTOS |
|------------|-----|---------|
| FX39 (1+9) | 200 | 4       |

### ACUPAN 800

|            |     |    |
|------------|-----|----|
| FX39 (1+9) | 800 | 10 |
|------------|-----|----|

## AGFA

### AGFA ORTHO

| REVELADOR      | ASA | MINUTOS |
|----------------|-----|---------|
| Neutol NE      | 25  | 2-4     |
| Refinal        | 25  | 10      |
| Rodinal (1+10) | 25  | 4       |

### AGFAPAN 400

| REVELADOR   | ASA  | MINUTOS   |
|-------------|------|-----------|
| A-110 (1+9) | 400  | 6         |
| A-110 (1+9) | 800  | 9         |
| A-110 (1+9) | 1600 | 16        |
| A-110 (1+9) | 3200 | 20        |
| A-110 (1+9) | 6400 | 4         |
| ACU-1 (1+5) | 650  | 7.5 (21C) |
| Acufine     | 500  | 4 (21C)   |

| <b>REVELADOR</b>          | <b>ASA</b> | <b>MINUTOS</b> |       |
|---------------------------|------------|----------------|-------|
| Aculux (1+9)              | 500        | 9              |       |
| Acuspeed (1+7)            | 1250       | 12             |       |
| Acutol (1+10)             | 640        | 10             |       |
| Acutol (1+15)             | 640        | 15             |       |
| Acutol (1+20)             | 640        | 20             |       |
| Atomal                    | 400        | 10             |       |
| Atomal                    | 500        | 11             |       |
| Atomal                    | 800        | 13             |       |
| Atomal                    | 1600       | 16             |       |
| Clayton F60 (1+9)         | 400        | 7.5            |       |
| D-76                      | 400        | 10             |       |
| D-76 (1+1)                | 400        | 14             |       |
| Ethol Blue (1+60)         | 400        | 12.5           | (21C) |
| Ethol TEC (1+15)          | 1000       | 11             | (21C) |
| Ethol UFG                 | 1280       | 6              | (21C) |
| FG7 (1+3)                 | 200        | 6              | (21C) |
| FG7 (1+15)                | 200        | 17             | (21C) |
| FG7 (1+15S)               | 200        | 9              | (21C) |
| Gamma Plus (1+7)          | 400        | 6              |       |
| Gamma Plus (1+12)         | 400        | 9              |       |
| Gamma Plus (1+20)         | 400        | 14.5           |       |
| HC-110 (Dil.B)            | 400        | 6              |       |
| Heico OS (1+10)           | 400        | 7.25           |       |
| ID-11 (1+1)               | 400        | 11             |       |
| Ilfosol S (1+9)           | 400        | 12             |       |
| Ilfotec LC29 (1+29)       | 400        | 15             |       |
| Microdol-X                | 400        | 13             |       |
| Microdol-X (1+3)          | 400        | 22             |       |
| Microphen (1+1)           | 400        | 11             |       |
| Perceptol (1+1)           | 400        | 16             |       |
| Refinal                   | 400        | 6              |       |
| Refinal                   | 800        | 16             |       |
| Rodinal (1+25)            | 320        | 7              |       |
| Rodinal (1+25)            | 400        | 8              |       |
| Rodinal (1+50)            | 320        | 11             |       |
| Studional/Rodinal Special | 400        | 4.5            |       |
| TMax Dev (1+4)            | 400        | 7              |       |
| TMax RS                   | 400        | 6              |       |
| Xtol                      | 100/200    | 6.5            |       |
| Xtol                      | 400        | 8              |       |
| Xtol                      | 800        | 9.75           |       |
| Xtol                      | 1600       | 12.25          |       |
| Xtol                      | 3200       | 14.5           |       |
| Xtol (1+1)                | 100/200    | 10.5           |       |
| Xtol (1+1)                | 400        | 12             |       |
| Xtol (1+1)                | 800        | 14.5           |       |
| Xtol (1+1)                | 1600       | 18             |       |
| Xtol (1+1)                | 3200       | 21.5           |       |
| Xtol (1+2)                | 100/200    | 13.5           |       |
| Xtol (1+2)                | 400        | 15.75          |       |
| Xtol (1+2)                | 800        | 19             |       |
| Xtol (1+2)                | 1600       | 23             |       |
| Xtol (1+3)                | 100/200    | 16.5           |       |
| Xtol (1+3)                | 400        | 19.25          |       |
| Xtol (1+3)                | 800        | 22.5           |       |
| Xtol (1+3)                | 1600       | 28.5           |       |

### AGFAPAN 100

| REVELADOR   | ASA | MINUTOS |
|-------------|-----|---------|
| A-110 (1+9) | 100 | 5       |
| A-110 (1+9) | 200 | 6.3     |
| A-110 (1+9) | 400 | 9       |

### AGFAPAN APX 100

| REVELADOR                 | ASA   | MINUTOS     |
|---------------------------|-------|-------------|
| ACU-1 (1+10)              | 320   | 12 (21C)    |
| Acufine                   | 160   | 5 (21C)     |
| Aculux (1+9)              | 125   | 8           |
| Acuspeed (1+7)            | 250   | 9           |
| Acutol (1+10)             | 160   | 8           |
| Acutol (1+15)             | 160   | 12          |
| Acutol (1+20)             | 160   | 16          |
| Atomal                    | 100   | 9           |
| Atomal                    | 160   | 13          |
| Atomal                    | 200   | 14          |
| D-76                      | 100   | 8           |
| D-76 (1+1)                | 100   | 12          |
| Ethol Blue (1+30)         | 200   | 4.75 (21C)  |
| Ethol TEC (1+15)          | 250   | 17.75 (21C) |
| Ethol TEC                 | 160   | 13.25 (21C) |
| Ethol UFG                 | 160   | 5 (21C)     |
| FG7 (1+3)                 | 80    | 4.25 (21C)  |
| FG7 (1+15)                | 80    | 10 (21C)    |
| FG7 (1+15S)               | 80    | 6.5 (21C)   |
| FX39 (1+9)                | 100   | 8           |
| Gamma Plus (1+7)          | 100   | 5           |
| Gamma Plus (1+12)         | 100   | 8           |
| Gamma Plus (1+20)         | 100   | 10.5        |
| HC110 (B)                 | 100   | 7           |
| Heico OS (1+10)           | 100   | 7           |
| ID-11 (1+1)               | 100   | 11          |
| Ilfosol S (1+9)           | 100   | 7.5         |
| Ilfotec LC29 (1+29)       | 100   | 12          |
| Microdol-X                | 100   | 13          |
| Microdol-X (1+3)          | 100   | 20          |
| Microphen (1+1)           | 100   | 10.5        |
| Perceptol (1+1)           | 100   | 12          |
| Refinal                   | 100   | 5           |
| Refinal                   | 125   | 6           |
| Refinal                   | 200   | 9           |
| Rodinal (1+25)            | 100   | 8           |
| Rodinal (1+25)            | 200   | 11          |
| Rodinal (1+50)            | 125   | 17          |
| Studional/Rodinal Special | 125   | 4           |
| Studional/Rodinal Special | 200   | 6           |
| TMax Dev (1+4)            | 100   | 6.5         |
| TMax RS                   | 100   | 5           |
| Xtol                      | 25/50 | 5.75        |
| Xtol                      | 100   | 6.75        |
| Xtol                      | 200   | 8.75        |
| Xtol                      | 400   | 11          |
| Xtol                      | 800   | 13          |
| Xtol (1+1)                | 25/50 | 8           |

| <b>REVELADOR</b> | <b>ASA</b> | <b>MINUTOS</b> |
|------------------|------------|----------------|
| Xtol (1+1)       | 100        | 9.75           |
| Xtol (1+1)       | 200        | 12             |
| Xtol (1+1)       | 400        | 15.5           |
| Xtol (1+1)       | 800        | 22             |
| Xtol (1+2)       | 25/50      | 12             |
| Xtol (1+2)       | 100        | 13.75          |
| Xtol (1+2)       | 200        | 15.25          |
| Xtol (1+2)       | 400        | 18.75          |
| Xtol (1+2)       | 800        | 23             |
| Xtol (1+3)       | 25/50      | 15.25          |
| Xtol (1+3)       | 100        | 17.25          |
| Xtol (1+3)       | 200        | 19.5           |
| Xtol (1+3)       | 400        | 23             |
| Xtol (1+3)       | 800        | 29             |

### **AGFAPAN APX 25**

| <b>REVELADOR</b>         | <b>ASA</b> | <b>MINUTOS</b> |
|--------------------------|------------|----------------|
| ACU-1 (1+10)             | 80         | 12 (21C)       |
| Acufine                  | 64         | 4.25 (21C)     |
| Aculux (1+9)             | 32         | 7              |
| Acutol (1+10)            | 40         | 6              |
| Acutol (1+15)            | 40         | 9              |
| Acutol (1+20)            | 40         | 12             |
| Atomal                   | 25         | 10             |
| Atomal                   | 50         | 17             |
| D-76 (1+1)               | 25         | 11             |
| D-76                     | 25         | 7              |
| Ethol Blue (1+30)        | 64         | 5 (21C)        |
| Ethol TEC                | 64         | 15 (21C)       |
| Ethol TEC                | 80         | 17.75 (21C)    |
| Ethol UFG                | 40         | 4.75 (21C)     |
| Ethol UFG                | 80         | 5.75 (21C)     |
| FG7 (1+15)               | 25         | 7.25 (21C)     |
| FG7 (1+15S)              | 25         | 6 (21C)        |
| FG7 (1+3)                | 25         | 4.5 (21C)      |
| FX39 (1+9)               | 25         | 5              |
| Gamma Plus (1+7)         | 25         | 5              |
| Gamma Plus (1+12)        | 25         | 8              |
| Gamma Plus (1+20)        | 25         | 10.5           |
| HC110 (B)                | 25         | 6              |
| Heico OS (1+10)          | 25         | 4.75           |
| ID-11 (1+1)              | 25         | 10             |
| Ilfosol S (1+9)          | 25         | 5              |
| Ilfotec LC29 (1+29)      | 25         | 13             |
| Microdol-X (1+3)         | 25         | 18             |
| Microdol-X               | 25         | 12             |
| Microphen (1+1)          | 25         | 7.5            |
| Perceptol (1+1)          | 25         | 14             |
| Refinal                  | 25         | 6              |
| Refinal                  | 50         | 10             |
| Rodinal (1+25)           | 20         | 6              |
| Rodinal (1+25)           | 25         | 7              |
| Rodinal (1+50)           | 25         | 10             |
| Studional/RodinalSpecial | 25         | 4              |
| Studional/RodinalSpecial | 50         | 7              |
| TMax Dev (1+4)           | 25         | 6.5            |

| <b>REVELADOR</b> | <b>ASA</b> | <b>MINUTOS</b> |
|------------------|------------|----------------|
| TMax RS          | 25         | 5              |
| Xtol             | 100        | 10.25          |
| Xtol             | 12         | 3.75           |
| Xtol             | 25         | 4.75           |
| Xtol             | 50         | 6.5            |
| Xtol (1+1)       | 100        | 10.5           |
| Xtol (1+1)       | 12         | 5              |
| Xtol (1+1)       | 200        | 14.5           |
| Xtol (1+1)       | 25         | 6              |
| Xtol (1+1)       | 50         | 8              |
| Xtol (1+2)       | 100        | 14             |
| Xtol (1+2)       | 12         | 7.75           |
| Xtol (1+2)       | 200        | 17             |
| Xtol (1+2)       | 25         | 9.25           |
| Xtol (1+2)       | 50         | 11             |
| Xtol (1+3)       | 100        | 17.5           |
| Xtol (1+3)       | 12         | 10.25          |
| Xtol (1+3)       | 200        | 21.5           |
| Xtol (1+3)       | 25         | 11.75          |
| Xtol (1+3)       | 50         | 14             |

### **AGFAPAN APX 400**

| <b>REVELADOR</b> | <b>ASA</b> | <b>MINUTOS</b> |
|------------------|------------|----------------|
| FX39 (1+9)       | 400        | 11             |
| Refinal          | 400        | 6              |
| Rodinal (1+25)   | 320        | 7              |
| Rodinal (1+50)   | 320        | 11             |

## **FOMA FILMS**

| <b>REVELADOR</b>          | <b>ASA</b> | <b>MINUTOS</b> |
|---------------------------|------------|----------------|
| <b><u>Fomapan 100</u></b> |            |                |
| Acufine                   | 100        | 3 ½            |
| D-76/ID11                 | 100        | 8              |
| D-76/ID11 (1+1)           | 100        | 10             |
| FG-7 (1+3)                | 100        | 3 ½            |
| Ilford Universal (1+9)    | 100        | 7              |
| Microdol-X                | 100        | 12             |
| Microphen                 | 100        | 7              |
| Rodinal (1+50)            | 100        | 10             |
| Sprint Standard (1+9)     | 100        | 10             |
| T-Max RS (1+4)            | 100        | 5 ½            |

### **Fomapan T200**

|                 |     |     |
|-----------------|-----|-----|
| Acufine         | 200 | 3   |
| D-76/ID11       | 200 | 5   |
| D-76/ID11 (1+1) | 200 | 7   |
| FG-7 (1+3)      | 200 | 3   |
| HC-110 (B)      | 200 | 3 ½ |

| REVELADOR             | ASA | MINUTOS |
|-----------------------|-----|---------|
| Iford Universal (1+9) | 200 | 5       |
| Microdol-X            | 200 | 9       |
| Microphen             | 200 | 5       |
| Perceptol             | 200 | 9       |
| Rodinal (1+50)        | 200 | 8       |
| Sprint Standard (1+9) | 200 | 7       |
| T-Max RS (1+4)        | 200 | 4 ½     |

#### **Fomapan 400**

|                       |     |     |
|-----------------------|-----|-----|
| D-76/ID11             | 400 | 10  |
| D-76/ID11 (1+1)       | 400 | 13  |
| Microphen             | 400 | 10  |
| Iford Universal (1+9) | 400 | 10  |
| Sprint Standard (1+9) | 400 | 13  |
| Microdol - X          | 400 | 15  |
| Rodinal (1+50)        | 400 | 13  |
| Acufine               | 400 | 6   |
| FG-7 (1+3)            | 400 | 4 ½ |
| T-Max RS (1+4)        | 400 | 8   |

#### **Fomapan T800**

|                       |     |     |
|-----------------------|-----|-----|
| Acufine               | 800 | 5   |
| D-76/ID11             | 800 | 10  |
| D-76/ID11 (1+1)       | 800 | 13  |
| FG-7 (1+3)            | 800 | 3 ½ |
| HC-110 (B)            | 800 | 6   |
| Iford Universal (1+9) | 800 | 10  |
| Microdol - X          | 800 | 15  |
| Microphen             | 800 | 10  |
| Perceptol             | 800 | 15  |
| Rodinal (1+50)        | 800 | 13  |
| Sprint Standard (1+9) | 800 | 13  |
| T-Max RS (1+4)        | 800 | 8   |

## **FORTE FILMS**

| REVELADOR                  | ASA | MINUTOS |
|----------------------------|-----|---------|
| <b><u>Fortepan 100</u></b> |     |         |
| D76                        | 100 | 7       |
| D-76(1+1)                  | 100 | 10.5    |
| FD-20                      | 100 | 7       |
| FD-20(1+1)                 | 100 | 10.5    |
| Gamma Plus (1+7)           | 100 | 6       |
| Gamma Plus (1+12)          | 100 | 8       |
| Gamma Plus (1+20)          | 100 | 11      |
| HC110(B)                   | 100 | 4       |
| ID11                       | 100 | 7       |
| Microdol X                 | 50  | 9       |
| Microdol X                 | 100 | 11.5    |
| Negafort                   | 100 | 7       |

| <b>REVELADOR</b>           | <b>ASA</b> | <b>MINUTOS</b> |
|----------------------------|------------|----------------|
| Rodinal (1+25)             | 100        | 5              |
| T-Max                      | 100        | 5.5            |
| <b><u>Fortepan 200</u></b> |            |                |
| Gamma Plus (1+7)           | 200        | 8              |
| Gamma Plus (1+12)          | 200        | 10.5           |
| Gamma Plus (1+20)          | 200        | 14             |
| <b><u>Fortepan 400</u></b> |            |                |
| Gamma Plus (1+7)           | 400        | 9              |
| Gamma Plus (1+12)          | 400        | 11.5           |
| Gamma Plus (1+20)          | 400        | 15             |

## **FUJI NEOPAN**

### **FUJI NEOPAN 100 PRESTO**

| <b>REVELADOR</b> | <b>ASA</b> | <b>MINUTOS</b> |
|------------------|------------|----------------|
| D-76             | 100        | 7.25           |
| D-76             | 200        | 10             |
| D-76 (1+1)       | 100        | 9.5            |
| Fujidol          | 100        | 7.25           |
| Fujidol (1+1)    | 100        | 10             |
| HC-110 (B)       | 100        | 5.25           |
| ID11             | 100        | 7              |
| Microdol-X       | 100        | 11             |
| Microfine        | 100        | 9              |
| Perceptol        | 100        | 10             |
| SPD              | 100        | 4              |
| SPD              | 200        | 7.5            |
| SPD (1+1)        | 100        | 6.5            |
| Super Fujidol    | 100        | 7              |
| TMax Dev         | 100        | 6              |

### **FUJI NEOPAN 100SS**

| <b>REVELADOR</b>  | <b>ASA</b> | <b>MINUTOS</b> |
|-------------------|------------|----------------|
| Gamma Plus (1+7)  | 100        | 5              |
| Gamma Plus (1+12) | 100        | 7              |
| Gamma Plus (1+20) | 100        | 11             |
| HC-110 (Dil. B)   | 100        | 7              |
| ID-11/D-76        | 100        | 8              |
| ID-11/D-76 (1+1)  | 100        | 10             |
| Microfine         | 100        | 9.5            |
| Rodinal (1+25)    | 100        | 7              |

**FUJI NEOPAN 1600**

| <b>REVELADOR</b>  | <b>ASA</b> | <b>MINUTOS</b> |
|-------------------|------------|----------------|
| ACU-1 (1+5)       | 1600       | 5.75           |
| ACU-1 (1+10)      | 2400       | 14.5 (21C)     |
| Acufine           | 1600       | 4 (21C)        |
| Aculux (1+9)      | 800        | 12             |
| Aculux (1+9)      | 1600       | 15             |
| Acuspeed (1+7)    | 2000       | 12             |
| D-76              | 400        | 4              |
| D-76              | 800        | 5              |
| D-76              | 1600       | 7.5            |
| D-76              | 3200       | 15             |
| D-76 (1+1)        | 400        | 5.5            |
| D-76 (1+1)        | 800        | 7              |
| D-76 (1+1)        | 1600       | 9              |
| D-76 (1+3)        | 800        | 11.5           |
| D-76 (1+3)        | 1600       | 15.25          |
| Ethol Blue (1+30) | 2400       | 7.25 (21C)     |
| Ethol TEC (1+15)  | 1600       | 24 (21C)       |
| Ethol TEC (1+15)  | 2400       | 27 (21C)       |
| Ethol UFG         | 1600       | 4 (21C)        |
| Ethol UFG         | 2400       | 5 (21C)        |
| FG7 (1+3)         | 1000       | 3.75 (21C)     |
| FG7 (1+15)        | 1000       | 11 (21C)       |
| FG7 (1+15S)       | 1000       | 6.5 (21C)      |
| Fujidol           | 800        | 4.75           |
| Fujidol           | 1600       | 6.5            |
| Fujidol           | 3200       | 11             |
| Fujidol (1+1)     | 400        | 4.75           |
| Fujidol (1+1)     | 800        | 6              |
| Fujidol (1+1)     | 1600       | 9              |
| Fujidol (1+3)     | 400        | 8.25           |
| Fujidol (1+3)     | 800        | 10.5           |
| Fujidol (1+3)     | 1600       | 14             |
| FX39 (1+9)        | 1600       | 5              |
| Gamma Plus (1+7)  | 1600       | 4.5            |
| Gamma Plus (1+12) | 1600       | 6.5            |
| Gamma Plus (1+20) | 1600       | 10.5           |
| HC-110 (Dil.B)    | 800        | 4.75           |
| HC-110 (Dil.B)    | 1600       | 7              |
| ID-11             | 800        | 4.5            |
| ID-11             | 1600       | 6.5            |
| Microdol-X        | 400        | 6.5            |
| Microdol-X        | 800        | 8.25           |
| Microdol-X        | 1600       | 10.5           |
| Microfine         | 250        | 5              |
| Microfine         | 400        | 6              |
| Microfine         | 800        | 8              |
| Microfine (1+1)   | 250        | 6              |
| Microfine (1+1)   | 400        | 6.75           |
| Microfine (1+1)   | 800        | 8.75           |
| Microfine (1+3)   | 400        | 10             |
| Microfine (1+3)   | 800        | 13             |
| Microphen         | 1600       | 3.25           |
| Microphen         | 3200       | 5.75           |
| Pandol            | 1600       | 4              |
| Pandol            | 3200       | 9              |
| Rodinal (1+25)    | 1600       | 5              |
| Rodinal (1+50)    | 1600       | 8              |
| SPD               | 1600       | 4.25           |



| <b>REVELADOR</b> | <b>ASA</b> | <b>MINUTOS</b> |
|------------------|------------|----------------|
| SPD              | 3200       | 8              |
| SPD (1+1)        | 1600       | 6.5            |
| SPD (1+1)        | 3200       | 15             |
| SPD (1+1)        | 800        | 4.5            |
| SPD (1+3)        | 1600       | 12             |
| SPD (1+3)        | 800        | 7.75           |
| TMax Dev (1+4)   | 1600       | 4.5            |
| TMax Dev (1+4)   | 3200       | 10             |
| TMax RS          | 1600       | 5              |
| TMax RS          | 3200       | 9.5            |
| Xtol             | 200        | 4              |
| Xtol             | 400        | 4.5            |
| Xtol             | 800        | 5              |
| Xtol             | 1600       | 5.75           |
| Xtol             | 3200       | 6.5            |
| Xtol             | 6400       | 7.25           |
| Xtol (1+1)       | 200        | 5.5            |
| Xtol (1+1)       | 400        | 6              |
| Xtol (1+1)       | 800        | 6.75           |
| Xtol (1+1)       | 1600       | 7.5            |
| Xtol (1+1)       | 3200       | 8.5            |
| Xtol (1+1)       | 6400       | 9.75           |
| Xtol (1+2)       | 200        | 7              |
| Xtol (1+2)       | 400        | 7.75           |
| Xtol (1+2)       | 800        | 8.5            |
| Xtol (1+2)       | 1600       | 10             |
| Xtol (1+2)       | 3200       | 11.25          |
| Xtol (1+2)       | 6400       | 13             |
| Xtol (1+3)       | 200        | 9.25           |
| Xtol (1+3)       | 400        | 10.25          |
| Xtol (1+3)       | 800        | 11.5           |
| Xtol (1+3)       | 1600       | 13             |
| Xtol (1+3)       | 3200       | 14.75          |
| Xtol (1+3)       | 6400       | 16.5           |

### **FUJI NEOPAN 400**

| <b>REVELADOR</b>  | <b>ASA</b> | <b>MINUTOS</b> |
|-------------------|------------|----------------|
| ACU-1 (1+5)       | 400        | 5.75           |
| ACU-1 (1+10)      | 800        | 12.75 (21C)    |
| Acufine           | 400        | 3.25           |
| Acufine           | 800        | 4.5            |
| Acufine           | 1600       | 7              |
| Aculux (1+9)      | 500        | 12             |
| Acuspeed (1+7)    | 1250       | 14             |
| Acutol (1+10)     | 640        | 8.5            |
| Acutol (1+15)     | 640        | 12.5           |
| Acutol (1+20)     | 640        | 17             |
| Clayton F60 (1+9) | 400        | 6              |
| D-76/ID-11        | 250        | 6.5            |
| D-76/ID-11        | 400        | 7.5            |
| D-76/ID-11        | 800        | 8.75           |
| D-76/ID-11        | 1600       | 13.5           |
| D-76/ID-11 (1+1)  | 400        | 9.5            |
| D-76/ID-11 (1+1)  | 800        | 13             |
| Ethol Blue (1+30) | 800        | 7 (21C)        |
| Ethol TEC (1+15)  | 500        | 14 (21C)       |
| Ethol TEC (1+15)  | 1000       | 18 (21C)       |

| <b>REVELADOR</b> | <b>ASA</b> | <b>MINUTOS</b> |
|------------------|------------|----------------|
| Ethol UFG        | 640        | 5 (21C)        |
| Ethol UFG        | 1000       | 5.5 (21C)      |
| FG7 (1+3)        | 320        | 4.5 (21C)      |
| FG7 (1+15)       | 320        | 11.5 (21C)     |
| FG7 (1+15S)      | 320        | 7.75 (21C)     |
| Fujidol          | 400        | 6.5            |
| Fujidol          | 800        | 8.25           |
| Fujidol          | 1600       | 12             |
| FX39 (1+9)       | 400        | 10             |
| Fujidol (1+1)    | 400        | 9              |
| HC110 (Dil.B)    | 400        | 5              |
| HC110 (Dil.B)    | 800        | 7.25           |
| HC110 (Dil.B)    | 1600       | 12             |
| Heico OS (1+10)  | 400        | 5.75           |
| ID-11            | 400        | 7              |
| ID-11            | 800        | 8.5            |
| ID-11            | 1600       | 12.5           |
| Microdol-X       | 200        | 8.5            |
| Microdol-X       | 400        | 10             |
| Microphen        | 400        | 4.25           |
| Microphen        | 800        | 5.75           |
| Microphen        | 1600       | 8.5            |
| Microphen        | 3200       | 16             |
| Pandol           | 800        | 6              |
| Pandol           | 1600       | 9              |
| Pandol           | 3200       | 16             |
| Rodinal (1+25)   | 400        | 6              |
| Rodinal (1+50)   | 400        | 11             |
| SPD              | 400        | 4.25           |
| SPD              | 800        | 5.75           |
| SPD              | 1600       | 9              |
| SPD              | 3200       | 16             |
| SPD (1+1)        | 400        | 7              |
| TMax Dev (1+4)   | 400        | 6              |
| TMax Dev (1+4)   | 800        | 7.5            |
| TMax Dev (1+4)   | 1600       | 10             |
| TMax RS          | 400        | 5.5            |
| TMax RS          | 800        | 6.5            |
| TMax RS          | 1600       | 9.5            |
| Xtol             | 100/200    | 7.5            |
| Xtol             | 400        | 8.25           |
| Xtol             | 800        | 9.75           |
| Xtol             | 1600       | 11.5           |
| Xtol             | 3200       | 13.5           |
| Xtol (1+1)       | 100/200    | 8.25           |
| Xtol (1+1)       | 400        | 9.75           |
| Xtol (1+1)       | 800        | 11.5           |
| Xtol (1+1)       | 1600       | 13.5           |
| Xtol (1+1)       | 3200       | 16.5           |
| Xtol (1+2)       | 100/200    | 11             |
| Xtol (1+2)       | 400        | 12.5           |
| Xtol (1+2)       | 800        | 14.5           |
| Xtol (1+2)       | 1600       | 17             |
| Xtol (1+2)       | 3200       | 20.5           |
| Xtol (1+3)       | 100/200    | 13.5           |
| Xtol (1+3)       | 400        | 15.75          |
| Xtol (1+3)       | 800        | 18.5           |
| Xtol (1+3)       | 1600       | 22.5           |
| Xtol (1+3)       | 3200       | 26             |

## FUJI NEOPAN F

| REVELADOR | ASA | MINUTOS |
|-----------|-----|---------|
| Microfine | 32  | 9       |

## ILFORD

### ILFORD DELTA 100 PRO

| REVELADOR         | ASA | MINUTOS   |
|-------------------|-----|-----------|
| ACU-1 (1+10)      | 100 | 8 (21C)   |
| Acufine           | 200 | 5.5       |
| Acutol (1+10)     | 100 | 8         |
| D-76              | 50  | 7         |
| D-76              | 100 | 9         |
| D-76              | 200 | 11        |
| D-76 (1+1)        | 50  | 9.5       |
| D-76 (1+1)        | 100 | 12        |
| D-76 (1+1)        | 200 | 14        |
| D-76 (1+3)        | 50  | 14        |
| D-76 (1+3)        | 100 | 22        |
| Ethol Blue (1+30) | 100 | 6 (21C)   |
| Ethol TEC (1+15)  | 100 | 15 (21C)  |
| Ethol UFG         | 100 | 5.5 (21C) |
| FG7 (1+3)         | 100 | 4 (21C)   |
| FG7 (1+15)        | 100 | 10 (21C)  |
| FG7 (1+15S)       | 100 | 7 (21C)   |
| FX39 (1+9)        | 100 | 7         |
| Gamma Plus (1+7)  | 100 | 4         |
| Gamma Plus (1+12) | 100 | 6         |
| Gamma Plus (1+20) | 100 | 8.5       |
| HC110 (Dil.B)     | 50  | 5         |
| HC110 (Dil.B)     | 100 | 6         |
| HC110 (Dil.B)     | 200 | 8         |
| ID-11             | 50  | 7         |
| ID-11             | 100 | 8.5       |
| ID-11             | 200 | 10.5      |
| ID-11 (1+1)       | 50  | 10        |
| ID-11 (1+1)       | 100 | 11        |
| ID-11 (1+1)       | 200 | 13        |
| ID-11 (1+3)       | 50  | 15        |
| ID-11 (1+3)       | 100 | 20        |
| Ilfotec HC (1+31) | 50  | 5         |
| Ilfotec HC (1+31) | 100 | 6         |
| Ilfotec HC (1+31) | 200 | 8         |
| Ilfotec HC (1+47) | 50  | 5.5       |
| Ilfotec HC (1+47) | 100 | 7.5       |
| Ilfotec HC (1+47) | 200 | 10        |
| Ilfosol S (1+9)   | 100 | 6         |
| Ilfosol S (1+14)  | 50  | 6.5       |
| Ilfosol S (1+14)  | 100 | 20        |

| REVELADOR        | ASA   | MINUTOS |       |
|------------------|-------|---------|-------|
| Microdol-X       | 50    | 12      |       |
| Microdol-X       | 100   | 15      |       |
| Microdol-X (1+3) | 50    | 16      |       |
| Microdol-X (1+3) | 100   | 22      |       |
| Microphen        | 100   | 6.5     |       |
| Microphen        | 200   | 8       |       |
| Microphen        | 400   | 10      |       |
| Microphen (1+1)  | 100   | 10      |       |
| Microphen (1+1)  | 200   | 14      |       |
| Microphen (1+3)  | 100   | 14      |       |
| Microphen (1+3)  | 200   | 20      |       |
| Perceptol        | 25    | 9       |       |
| Perceptol        | 50    | 12      |       |
| Perceptol        | 100   | 15      |       |
| Perceptol (1+1)  | 50    | 13      |       |
| Perceptol (1+1)  | 100   | 17      |       |
| Perceptol (1+3)  | 50    | 16      |       |
| Perceptol (1+3)  | 100   | 22      |       |
| Refinal          | 100   | 5       |       |
| Refinal          | 200   | 9       |       |
| Rodinal (1+25)   | 50    | 7       |       |
| Rodinal (1+25)   | 100   | 9       |       |
| Rodinal (1+50)   | 50    | 10      |       |
| Rodinal (1+50)   | 100   | 14      |       |
| SPD              | 100   | 5       |       |
| SPD              | 200   | 8       |       |
| SPD (1+1)        | 100   | 7       |       |
| TG7 (1+3)        | 100   | 5.5     | (21C) |
| TG7 (1+15)       | 100   | 8       | (21C) |
| TG7 (1+15S)      | 100   | 6       | (21C) |
| TMax Dev (1+4)   | 50    | 6       |       |
| TMax Dev (1+4)   | 100   | 7       |       |
| TMax Dev (1+4)   | 200   | 8       |       |
| TMax RS          | 50    | 5       | (24C) |
| TMax RS          | 100   | 6       | (24C) |
| TMax RS          | 200   | 8       | (24C) |
| Ultrafin (1+10)  | 100   | 6       |       |
| Ultrafin (1+20)  | 100   | 8       |       |
| Xtol             | 25/50 | 6.75    |       |
| Xtol             | 100   | 8       |       |
| Xtol             | 200   | 9.5     |       |
| Xtol             | 400   | 11.5    |       |
| Xtol             | 800   | 14.5    |       |
| Xtol (1+1)       | 25/50 | 9       |       |
| Xtol (1+1)       | 100   | 10.5    |       |
| Xtol (1+1)       | 200   | 12      |       |
| Xtol (1+1)       | 400   | 14      |       |
| Xtol (1+1)       | 800   | 16.75   |       |
| Xtol (1+2)       | 25/50 | 11      |       |
| Xtol (1+2)       | 100   | 13      |       |
| Xtol (1+2)       | 200   | 15      |       |
| Xtol (1+2)       | 400   | 17.5    |       |
| Xtol (1+2)       | 800   | 21.5    |       |
| Xtol (1+3)       | 25/50 | 13.5    |       |
| Xtol (1+3)       | 100   | 15.5    |       |
| Xtol (1+3)       | 200   | 17.5    |       |
| Xtol (1+3)       | 400   | 20.5    |       |
| Xtol (1+3)       | 800   | 24.25   |       |

**ILFORD DELTA 400 PRO**

| <b>REVELADOR</b>  | <b>ASA</b> | <b>MINUTOS</b> |       |
|-------------------|------------|----------------|-------|
| ACU-1 (1+5)       | 400        | 8.25           | (21C) |
| Acufine           | 400        | 4.5            |       |
| Acufine           | 400        | 6.5            | (21C) |
| Acufine           | 800        | 5              |       |
| Ethol Blue (1+30) | 400        | 6.75           | (21C) |
| Ethol TEC (1+15)  | 400        | 14             | (21C) |
| Ethol UFG         | 400        | 6              | (21C) |
| FG7 (1+3)         | 200        | 5              | (21C) |
| FG7 (1+15)        | 200        | 11             | (21C) |
| FG7 (1+15S)       | 200        | 8              | (21C) |
| FX39 (1+9)        | 400        | 10             |       |
| Gamma Plus (1+7)  | 400        | 6              |       |
| Gamma Plus (1+12) | 400        | 8.5            |       |
| Gamma Plus (1+20) | 400        | 12             |       |
| HC-110 (Dil.A)    | 800        | 5              |       |
| HC-110 (Dil.A)    | 1600       | 8              |       |
| HC-110 (Dil.B)    | 200        | 6              |       |
| HC-110 (Dil.B)    | 400        | 7.5            |       |
| HC-110 (Dil.B)    | 800        | 10             |       |
| HC-110 (Dil.B)    | 1600       | 14             |       |
| Heico OS (1+10)   | 400        | 5              |       |
| ID-11/D-76        | 200        | 6              |       |
| ID-11/D-76        | 400        | 7              |       |
| ID-11/D-76        | 800        | 9              |       |
| ID-11/D-76        | 1600       | 12.5           |       |
| ID-11/D-76 (1+1)  | 200        | 9              |       |
| ID-11/D-76 (1+1)  | 400        | 10.5           |       |
| ID-11/D-76 (1+1)  | 800        | 12.5           |       |
| ID-11/D-76 (1+3)  | 400        | 18             |       |
| Ilfotec HC (1+15) | 800        | 5              |       |
| Ilfotec HC (1+15) | 1600       | 8              |       |
| Ilfotec HC (1+31) | 200        | 6              |       |
| Ilfotec HC (1+31) | 400        | 7.5            |       |
| Ilfotec HC (1+31) | 800        | 10             |       |
| Ilfotec HC (1+31) | 1600       | 14             |       |
| Ilfotec HC (1+47) | 400        | 13             |       |
| Ilfosol S (1+9)   | 200        | 7              |       |
| Ilfosol S (1+9)   | 400        | 9              |       |
| Ilfosol S (1+9)   | 800        | 13             |       |
| Ilfosol S (1+14)  | 200        | 11.5           |       |
| Ilfosol S (1+14)  | 400        | 14             |       |
| Microdol-X        | 200        | 10             |       |
| Microdol-X        | 400        | 13             |       |
| Microdol-X (1+3)  | 400        | 22             |       |
| Microphen         | 400        | 7              |       |
| Microphen         | 800        | 9              |       |
| Microphen         | 1600       | 12.5           |       |
| Microphen (1+1)   | 400        | 10.5           |       |
| Microphen (1+1)   | 800        | 13             |       |
| Microphen (1+1)   | 1600       | 18             |       |
| Microphen (1+3)   | 400        | 17             |       |
| Perceptol         | 100        | 8.5            |       |
| Perceptol         | 200        | 10             |       |
| Perceptol         | 400        | 13             |       |
| Perceptol (1+1)   | 200        | 14             |       |

| REVELADOR       | ASA     | MINUTOS   |
|-----------------|---------|-----------|
| Perceptol (1+1) | 400     | 18        |
| Perceptol (1+3) | 400     | 22        |
| Refinal         | 400     | 4         |
| Refinal         | 800     | 6         |
| Rodinal (1+25)  | 200     | 7         |
| Rodinal (1+25)  | 400     | 9         |
| Rodinal (1+25)  | 800     | 12.5      |
| Rodinal (1+50)  | 200     | 12        |
| Rodinal (1+50)  | 400     | 16.5      |
| TG7 (1+3)       | 200     | 5.5 (21C) |
| TG7 (1+15)      | 200     | 8.5 (21C) |
| TG7 (1+15S)     | 200     | 6 (21C)   |
| TMax Dev (1+4)  | 400     | 7.5       |
| TMax Dev (1+4)  | 800     | 10        |
| TMax Dev (1+4)  | 1600    | 14        |
| TMax RS         | 800     | 6 (24C)   |
| TMax RS         | 1600    | 8 (24C)   |
| Ultrafin (1+10) | 200     | 6.5       |
| Ultrafin (1+10) | 400     | 8         |
| Ultrafin (1+20) | 400     | 10        |
| Xtol            | 100/200 | 6         |
| Xtol            | 400     | 7         |
| Xtol            | 800     | 8         |
| Xtol            | 1600    | 10        |
| Xtol            | 3200    | 12        |
| Xtol (1+1)      | 100/200 | 9         |
| Xtol (1+1)      | 400     | 10.5      |
| Xtol (1+1)      | 800     | 12.25     |
| Xtol (1+1)      | 1600    | 14.5      |
| Xtol (1+1)      | 3200    | 17        |
| Xtol (1+2)      | 100/200 | 12        |
| Xtol (1+2)      | 400     | 14        |
| Xtol (1+2)      | 800     | 16.25     |
| Xtol (1+2)      | 1600    | 19.5      |
| Xtol (1+2)      | 3200    | 23.5      |
| Xtol (1+3)      | 100/200 | 14.5      |
| Xtol (1+3)      | 400     | 16.5      |
| Xtol (1+3)      | 800     | 19.5      |
| Xtol (1+3)      | 1600    | 23        |

**ILFORD FP4+**

| REVELADOR         | ASA | MINUTOS |
|-------------------|-----|---------|
| ACU-1 (1+10)      | 100 | 9 (21C) |
| Acufine           | 320 | 5 (21C) |
| Acufine           | 400 | 10      |
| Aculux (1+9)      | 160 | 6.5     |
| Acuspeed (1+7)    | 400 | 7       |
| Acutol (1+10)     | 200 | 6       |
| Acutol (1+15)     | 200 | 9       |
| Acutol (1+20)     | 200 | 12      |
| Clayton F60 (1+9) | 125 | 5.5     |
| D-76              | 50  | 5       |
| D-76              | 125 | 5.5     |
| D-76              | 200 | 7       |
| D-76 (1+1)        | 50  | 7.5     |
| D-76 (1+1)        | 125 | 8.5     |
| D-76 (1+1)        | 200 | 11      |

| REVELADOR           | ASA | MINUTOS |       |
|---------------------|-----|---------|-------|
| D-76 (1+3)          | 50  | 12      |       |
| D-76 (1+3)          | 125 | 14      |       |
| D-76 (1+3)          | 200 | 18      |       |
| Ethol Blue (1+30)   | 200 | 6       | (21C) |
| Ethol TEC (1+15)    | 200 | 14      | (21C) |
| Ethol UFG           | 250 | 7.25    | (21C) |
| FG7 (1+3)           | 80  | 3.5     | (21C) |
| FG7 (1+15)          | 80  | 9       | (21C) |
| FG7 (1+15S)         | 80  | 7       | (21C) |
| FX39 (1+9)          | 125 | 6       |       |
| Gamma Plus (1+7)    | 125 | 5.5     |       |
| Gamma Plus (1+12)   | 125 | 8       |       |
| Gamma Plus (1+20)   | 125 | 12      |       |
| HC-110 (Dil. A)     | 400 | 7       |       |
| HC-110 (Dil. B)     | 125 | 5       |       |
| HC-110 (Dil. B)     | 200 | 8       |       |
| ID-11               | 50  | 5       |       |
| ID-11               | 125 | 6       |       |
| ID-11               | 200 | 8       |       |
| ID-11 (1+1)         | 50  | 7       |       |
| ID-11 (1+1)         | 125 | 8       |       |
| ID-11 (1+1)         | 200 | 12      |       |
| ID-11 (1+3)         | 50  | 15      |       |
| ID-11 (1+3)         | 125 | 18      |       |
| Ilfotec HC (1+15)   | 125 | 3       |       |
| Ilfotec HC (1+15)   | 200 | 4       |       |
| Ilfotec HC (1+15)   | 400 | 7       |       |
| Ilfotec HC (1+31)   | 50  | 4.5     |       |
| Ilfotec HC (1+31)   | 125 | 6       |       |
| Ilfotec HC (1+31)   | 200 | 8.5     |       |
| Ilfotec HC (1+47)   | 50  | 6       |       |
| Ilfotec HC (1+47)   | 125 | 8       |       |
| Ilfotec HC (1+47)   | 200 | 12      |       |
| Ilfotec LC29 (1+9)  | 125 | 3       |       |
| Ilfotec LC29 (1+9)  | 200 | 4       |       |
| Ilfotec LC29 (1+19) | 50  | 4.5     |       |
| Ilfotec LC29 (1+19) | 125 | 6       |       |
| Ilfotec LC29 (1+19) | 200 | 8.5     |       |
| Ilfotec LC29 (1+29) | 50  | 6       |       |
| Ilfotec LC29 (1+29) | 125 | 8       |       |
| Ilfotec LC29 (1+29) | 200 | 12      |       |
| Ilfosol S (1+9)     | 50  | 3.5     |       |
| Ilfosol S (1+9)     | 125 | 4       |       |
| Ilfosol S (1+9)     | 200 | 5       |       |
| Ilfosol S (1+14)    | 50  | 5       |       |
| Ilfosol S (1+14)    | 125 | 6       |       |
| Ilfosol S (1+14)    | 200 | 7.5     |       |
| Microdol-X          | 50  | 7.5     |       |
| Microdol-X          | 125 | 10.5    |       |
| Microdol-X (1+3)    | 50  | 14      |       |
| Microdol-X (1+3)    | 125 | 17      |       |
| Microphen           | 125 | 5.5     |       |
| Microphen           | 200 | 6.5     |       |
| Microphen           | 400 | 11      |       |
| Microphen (1+1)     | 125 | 7       |       |
| Microphen (1+1)     | 200 | 9       |       |
| Microphen (1+1)     | 400 | 16      |       |
| Microphen (1+3)     | 125 | 10      |       |

| <b>REVELADOR</b> | <b>ASA</b> | <b>MINUTOS</b> |
|------------------|------------|----------------|
| Microphen (1+3)  | 200        | 13             |
| Perceptol        | 50         | 7.5            |
| Perceptol        | 125        | 9              |
| Perceptol (1+1)  | 50         | 10.5           |
| Perceptol (1+1)  | 125        | 14             |
| Perceptol (1+3)  | 50         | 14             |
| Perceptol (1+3)  | 125        | 18             |
| Rodinal (1+25)   | 125        | 6              |
| Rodinal (1+25)   | 200        | 9              |
| Rodinal (1+50)   | 125        | 8.5            |
| Rodinal (1+50)   | 200        | 13             |
| T-Max (1+4)      | 125        | 5.5            |
| T-Max (1+4)      | 200        | 6.5            |
| T-Max (1+4)      | 400        | 8              |
| T-Max RS         | 125        | 5 (24C)        |
| Xtol             | 125        | 8              |
| Xtol             | 250        | 9              |
| Xtol             | 32/64      | 6.5            |
| Xtol             | 500        | 11             |
| Xtol             | 1000       | 14             |
| Xtol (1+1)       | 32/64      | 8.5            |
| Xtol (1+1)       | 125        | 10             |
| Xtol (1+1)       | 250        | 12             |
| Xtol (1+1)       | 500        | 14.5           |
| Xtol (1+1)       | 1000       | 17.5           |
| Xtol (1+2)       | 32/64      | 10             |
| Xtol (1+2)       | 125        | 11.5           |
| Xtol (1+2)       | 250        | 13.75          |
| Xtol (1+2)       | 500        | 17.25          |
| Xtol (1+2)       | 1000       | 21             |
| Xtol (1+3)       | 32/64      | 12.5           |
| Xtol (1+3)       | 125        | 14.75          |
| Xtol (1+3)       | 250        | 17             |
| Xtol (1+3)       | 500        | 20             |
| Xtol (1+3)       | 1000       | 23.5           |

**ILFORD HP5+**

| <b>REVELADOR</b> | <b>ASA</b> | <b>MINUTOS</b> |
|------------------|------------|----------------|
| A-110 (1+9)      | 400        | 5'50"          |
| A-110 (1+9)      | 800        | 9'             |
| A-110 (1+9)      | 1000       | 13'10"         |
| A-110 (1+9)      | 1600       | 18'            |
| A-110 (1+9)      | 3200       | 20'            |
| A-110 (1+9)      | 6400       | 24'            |
| ACU-1 (1+10)     | 800        | 10 (21C)       |
| Acufine          | 400        | 4.5            |
| Acufine          | 640        | 6.5 (21C)      |
| Acufine          | 800        | 6.5            |
| Acufine          | 1600       | 9.5            |
| Aculux (1+9)     | 500        | 9              |
| Acuspeed (1+7)   | 1250       | 9              |
| Acutol (1+10)    | 640        | 9              |
| Acutol (1+15)    | 640        | 13.5           |
| Acutol (1+20)    | 640        | 18             |



| REVELADOR           | ASA  | MINUTOS     |
|---------------------|------|-------------|
| Clayton F60 (1+9)   | 400  | 7           |
| D-76                | 400  | 7.5         |
| D-76                | 800  | 9.5         |
| D-76                | 1600 | 12.5        |
| D-76 (1+1)          | 400  | 11          |
| D-76 (1+1)          | 800  | 13          |
| D-76 (1+3)          | 400  | 22          |
| Ethol Blue (1+30)   | 1000 | 6.5 (21C)   |
| Ethol TEC (1+15)    | 640  | 14.25 (21C) |
| Ethol TEC (1+15)    | 800  | 17.75 (21C) |
| Ethol UFG           | 500  | 4.5 (21C)   |
| Ethol UFG           | 800  | 5.25 (21C)  |
| FG7 (1+3)           | 320  | 4.5 (21C)   |
| FG7 (1+15)          | 320  | 12.5 (21C)  |
| FG7 (1+15S)         | 320  | 7.5 (21C)   |
| FX39 (1+9)          | 400  | 5           |
| Gamma Plus (1+7)    | 400  | 6           |
| Gamma Plus (1+12)   | 400  | 9           |
| Gamma Plus (1+20)   | 400  | 11.5        |
| HC-110 (Dil. A)     | 400  | 2.5         |
| HC-110 (Dil. A)     | 800  | 3.75        |
| HC-110 (Dil. A)     | 1600 | 5.5         |
| HC-110 (Dil. A)     | 3200 | 9.5         |
| HC-110 (Dil. B)     | 400  | 5           |
| HC-110 (Dil. B)     | 800  | 7.5         |
| HC-110 (Dil. B)     | 1600 | 11          |
| Heico OS (1+10)     | 400  | 5.25        |
| ID-11               | 400  | 7.5         |
| ID-11               | 800  | 10.5        |
| ID-11               | 1600 | 14          |
| ID-11 (1+1)         | 400  | 13          |
| ID-11 (1+1)         | 800  | 16.5        |
| ID-11 (1+3)         | 400  | 20          |
| Ilfotec HC (1+15)   | 400  | 3.5         |
| Ilfotec HC (1+15)   | 800  | 5           |
| Ilfotec HC (1+15)   | 1600 | 7.5         |
| Ilfotec HC (1+15)   | 3200 | 12.5        |
| Ilfotec HC (1+31)   | 400  | 6.5         |
| Ilfotec HC (1+31)   | 800  | 9.5         |
| Ilfotec HC (1+31)   | 1600 | 14          |
| Ilfotec HC (1+47)   | 400  | 9           |
| Ilfotec LC29 (1+9)  | 400  | 3.5         |
| Ilfotec LC29 (1+9)  | 800  | 5           |
| Ilfotec LC29 (1+9)  | 1600 | 7.5         |
| Ilfotec LC29 (1+9)  | 3200 | 11          |
| Ilfotec LC29 (1+19) | 400  | 6.5         |
| Ilfotec LC29 (1+19) | 800  | 9.5         |
| Ilfotec LC29 (1+19) | 1600 | 14          |
| Ilfotec LC29 (1+29) | 400  | 9           |
| Ilfosol S (1+9)     | 400  | 7           |
| Ilfosol S (1+9)     | 800  | 8.5         |
| Ilfosol S (1+9)     | 1600 | 14          |
| Ilfosol S (1+14)    | 400  | 9.5         |
| Ilfosol S (1+14)    | 800  | 14          |
| Microdol-X          | 400  | 11          |
| Microdol-X (1+3)    | 400  | 25          |
| Microphen           | 500  | 6.5         |
| Microphen           | 800  | 8           |

| <b>REVELADOR</b> | <b>ASA</b> | <b>MINUTOS</b> |       |
|------------------|------------|----------------|-------|
| Microphen        | 1600       | 11             |       |
| Microphen        | 3200       | 16             |       |
| Microphen (1+1)  | 400        | 12             |       |
| Microphen (1+1)  | 800        | 15             |       |
| Microphen (1+3)  | 400        | 23             |       |
| Perceptol        | 200/400    | 11             |       |
| Perceptol (1+1)  | 400        | 15             |       |
| Perceptol (1+3)  | 400        | 25             |       |
| Refinal          | 400        | 6              |       |
| Refinal          | 800        | 8.5            |       |
| Rodinal (1+25)   | 400        | 6              |       |
| Rodinal (1+25)   | 800        | 8              |       |
| Rodinal (1+25)   | 1600       | 12             |       |
| Rodinal (1+50)   | 400        | 11             |       |
| Rodinal (1+50)   | 800        | 16             |       |
| Rodinal (1+50)   | 1600       | 24             |       |
| TMax Dev (1+4)   | 400        | 6.5            |       |
| TMax Dev (1+4)   | 800        | 8              |       |
| TMax Dev (1+4)   | 1600       | 9.5            |       |
| TMax Dev (1+4)   | 3200       | 11.5           |       |
| TMax RS          | 400        | 6.5            |       |
| TMax RS          | 800        | 5              | (24C) |
| TMax RS          | 1600       | 7              | (24C) |
| TMax RS          | 3200       | 10.5           | (24C) |
| Ultrafin (1+10)  | 400        | 7.5            |       |
| Ultrafin (1+10)  | 800        | 10             |       |
| Ultrafin (1+20)  | 400        | 16             |       |
| Xtol             | 100/200    | 7.5            |       |
| Xtol             | 400        | 8.5            |       |
| Xtol             | 800        | 10.5           |       |
| Xtol             | 1600       | 13             |       |
| Xtol             | 3200       | 17.5           |       |
| Xtol (1+1)       | 100/200    | 10.25          |       |
| Xtol (1+1)       | 400        | 12             |       |
| Xtol (1+1)       | 800        | 14.25          |       |
| Xtol (1+1)       | 1600       | 18             |       |
| Xtol (1+1)       | 3200       | 22.5           |       |
| Xtol (1+2)       | 100/200    | 12.75          |       |
| Xtol (1+2)       | 400        | 15.5           |       |
| Xtol (1+2)       | 800        | 18             |       |
| Xtol (1+2)       | 1600       | 21             |       |
| Xtol (1+3)       | 100/200    | 14.5           |       |
| Xtol (1+3)       | 400        | 18             |       |
| Xtol (1+3)       | 800        | 23             |       |
| Xtol (1+3)       | 1600       | 27.5           |       |

**ILFORD DELTA 3200**

| <b>REVELADOR</b>    | <b>ASA</b> | <b>MINUTOS</b> |
|---------------------|------------|----------------|
| Ilfotec DD-X*(1+4)  | 3200       | 9.5            |
| Ilfotec HC (1+31)   | 3200       | 14.5           |
| Ilfotec LC29 (1+19) | 3200       | 14.5           |
| Ilfosol S (1+9)     | 3200       | 13             |
| Microphen* (stock)  | 3200       | 9              |
| ID-11 (stock)       | 3200       | 10.5           |
| Perceptol (stock)   | 3200       | 18             |

| REVELADOR    | ASA  | MINUTOS |
|--------------|------|---------|
| D-76 (stock) | 3200 | 10.5    |
| HC-110 (B)   | 3200 | 14.5    |

\* Reveladores recomendados. Tiempos base para calcular el más adecuado para estas películas. Hay que hacer pruebas para buscar la mejor combinación tiempo/revelador.

### **ILFORD UNIVERSAL 400**

| REVELADOR         | ASA  | MINUTOS |
|-------------------|------|---------|
| D-76              | 400  | 9       |
| D-76              | 1000 | 20      |
| HC-110 (Dil. B)   | 400  | 9       |
| HC-110 (Dil. B)   | 1000 | 14      |
| ID-11             | 400  | 9       |
| ID-11             | 1000 | 15      |
| ID-11 (1+1)       | 400  | 15.5    |
| ID-11 (1+1)       | 1000 | 26      |
| Ilfotec HC (1+15) | 400  | 5       |
| Ilfotec HC (1+15) | 1000 | 8       |
| Ilfotec HC (1+31) | 400  | 9       |
| Ilfotec HC (1+31) | 1000 | 14      |
| Ilfosol S (1+9)   | 400  | 10      |
| Microphen         | 640  | 10      |
| Microphen         | 1000 | 14      |
| Perceptol         | 400  | 13      |
| TMax Dev (1+4)    | 400  | 8       |
| TMax Dev (1+4)    | 640  | 10      |
| TMax Dev (1+4)    | 1000 | 14      |
| TMax RS           | 640  | 7       |
| TMax RS           | 1000 | 10      |

### **ILFORD PAN F+**

| REVELADOR         | ASA   | MINUTOS   |
|-------------------|-------|-----------|
| ACU-1 (1+10)      | 64    | 6.5 (21C) |
| Acufine           | 50    | 3.5       |
| Acufine           | 80    | 5 (21C)   |
| Aculux (1+9)      | 64    | 5.5       |
| Acutol (1+10)     | 80    | 5         |
| Acutol (1+15)     | 80    | 7.5       |
| Acutol (1+20)     | 80    | 10        |
| D-76              | 25-50 | 6.5       |
| D-76 (1+1)        | 25-50 | 10.5      |
| D-76 (1+3)        | 25-50 | 15.5      |
| Ethol Blue (1+60) | 80    | 4 (21C)   |
| Ethol TEC (1+15)  | 64    | 6.5 (21C) |
| Ethol UFG         | 50    | 5 (21C)   |
| FG7 (1+15)        | 50    | 9 (21C)   |
| FG7 (1+15S)       | 50    | 6 (21C)   |
| FX39 (1+9)        | 50    | 4         |
| Gamma Plus (1+12) | 50    | 5         |
| Gamma Plus (1+20) | 50    | 8         |
| HC-110 (Dil. B)   | 50    | 5.5       |
| ID-11             | 25-50 | 6.5       |
| ID-11 (1+1)       | 25-50 | 8.5       |
| ID-11 (1+3)       | 25    | 14        |
| ID-11 (1+3)       | 50    | 15        |
| Ilfotec HC (1+31) | 50    | 4         |

| <b>REVELADOR</b>    | <b>ASA</b> | <b>MINUTOS</b> |
|---------------------|------------|----------------|
| Ilfotec HC (1+47)   | 50         | 5.5            |
| Ilfotec LC29 (1+19) | 50         | 4              |
| Ilfotec LC29 (1+29) | 50         | 5.5            |
| Ilfosol S (1+9)     | 50         | 4              |
| Ilfosol S (1+14)    | 50         | 6              |
| Microdol-X          | 25         | 12             |
| Microdol-X          | 50         | 15             |
| Microdol-X (1+3)    | 25         | 15             |
| Microdol-X (1+3)    | 50         | 18             |
| Microphen           | 25-50      | 4.5            |
| Microphen           | 100        | 8              |
| Microphen           | 200        | 12             |
| Microphen (1+1)     | 25-50      | 6              |
| Microphen (1+3)     | 25-50      | 11             |
| Perceptol           | 25         | 9              |
| Perceptol           | 50         | 14             |
| Perceptol (1+1)     | 25         | 10.5           |
| Perceptol (1+1)     | 50         | 15             |
| Perceptol (1+3)     | 25         | 15             |
| Perceptol (1+3)     | 50         | 17             |
| Refinal             | 50         | 5.5            |
| Rodinal (1+25)      | 50         | 6              |
| Rodinal (1+50)      | 50         | 11             |
| TMax Dev (1+4)      | 50         | 4              |
| TMax RS             | 50         | 4              |
| Ultrafin (1+10)     | 50         | 4              |
| Ultrafin (1+20)     | 50         | 8              |
| Xtol                | 25         | 6              |
| Xtol                | 50         | 7              |
| Xtol                | 100        | 8              |
| Xtol                | 200        | 9              |
| Xtol                | 400        | 10             |
| Xtol (1+1)          | 25         | 6.75           |
| Xtol (1+1)          | 50         | 7.75           |
| Xtol (1+1)          | 100        | 9.5            |
| Xtol (1+1)          | 200        | 11.25          |
| Xtol (1+1)          | 400        | 13             |
| Xtol (1+2)          | 25         | 8.75           |
| Xtol (1+2)          | 50         | 10             |
| Xtol (1+2)          | 100        | 11.5           |
| Xtol (1+2)          | 200        | 13.25          |
| Xtol (1+2)          | 400        | 15.5           |
| Xtol (1+3)          | 25         | 10.5           |
| Xtol (1+3)          | 50         | 12             |
| Xtol (1+3)          | 100        | 13.5           |
| Xtol (1+3)          | 200        | 15.75          |
| Xtol (1+3)          | 400        | 18.5           |

**ILFORD SFX 200**

| <b>REVELADOR</b> | <b>ASA</b> | <b>MINUTOS</b> |
|------------------|------------|----------------|
| D-76             | 200        | 10.5           |
| D-76             | 400        | 12.5           |
| D-76             | 800        | 16.5           |
| D-76 (1+1)       | 400        | 14.5           |
| HC-110 (Dil. B)  | 200        | 9              |
| HC-110 (Dil. B)  | 400        | 13             |
| HC-110 (Dil. B)  | 800        | 19             |

| <b>REVELADOR</b>   | <b>ASA</b> | <b>MINUTOS</b> |       |
|--------------------|------------|----------------|-------|
| ID11               | 200        | 10             |       |
| ID11               | 400        | 14             |       |
| ID11               | 800        | 18             |       |
| ID11 (1+1)         | 200        | 17             |       |
| Ifotec HC (1+15)   | 200        | 5              |       |
| Ifotec HC (1+15)   | 400        | 7              |       |
| Ifotec HC (1+15)   | 800        | 10.5           |       |
| Ifotec HC (1+31)   | 200        | 9              |       |
| Ifotec HC (1+31)   | 400        | 13             |       |
| Ifotec HC (1+31)   | 800        | 19             |       |
| Ifotec LC29 (1+9)  | 200        | 5              |       |
| Ifotec LC29 (1+9)  | 400        | 7              |       |
| Ifotec LC29 (1+19) | 200        | 9              |       |
| Ifotec LC29 (1+19) | 400        | 13             |       |
| Ifotec LC29 (1+29) | 200        | 9              |       |
| Ifosol S (1+9)     | 200        | 9.5            |       |
| Ifosol S (1+9)     | 400        | 11.5           |       |
| Ifosol S (1+9)     | 800        | 19             |       |
| Ifosol S (1+14)    | 200        | 13             |       |
| Ifosol S (1+14)    | 400        | 19             |       |
| Microphen          | 200        | 8.5            |       |
| Microphen          | 400        | 10.5           |       |
| Microphen          | 800        | 14.5           |       |
| Microphen (1+1)    | 200        | 15.5           |       |
| Microphen (1+1)    | 400        | 19             |       |
| Perceptol          | 200        | 14.5           |       |
| Perceptol (1+1)    | 200        | 20             |       |
| Refinal            | 200        | 8              |       |
| Refinal            | 400        | 11.5           |       |
| Rodinal (1+25)     | 200        | 6              |       |
| Rodinal (1+50)     | 200        | 10             |       |
| TMax (1+4)         | 200        | 8.5            |       |
| TMax (1+4)         | 400        | 10.5           |       |
| TMax (1+4)         | 800        | 12.5           |       |
| TMax RS            | 200        | 6              | (24C) |
| TMax RS            | 400        | 7              | (24C) |
| TMax RS            | 800        | 9              | (24C) |

## **KODAK**

### **KODAK HIGH-SPEED INFRA RED**

| <b>REVELADOR</b>  | <b>ASA</b> | <b>MINUTOS</b> |       |
|-------------------|------------|----------------|-------|
| Aculux            | NA         | 12             |       |
| Acutol            | NA         | 12             |       |
| D-19              | NA         | 6              |       |
| D-76              | NA         | 11             |       |
| FG7 (1+3)         | NA         | 4              | (21C) |
| FG7 (1+15)        | NA         | 12             | (21C) |
| FG7 (1+15S)       | NA         | 6              | (21C) |
| Gamma Plus (1+12) | NA         | 12             |       |

| <b>REVELADOR</b> | <b>ASA</b> | <b>MINUTOS</b> |
|------------------|------------|----------------|
| HC-110 (Dil.B)   | NA         | 6              |
| ID-11            | NA         | 12             |
| Perceptol        | NA         | 15             |
| Rodinal (1+25)   | NA         | 9              |
| Rodinal (1+50)   | NA         | 12             |
| Xtol             | NA         | 6              |
| Xtol (1+1)       | NA         | 8.75           |
| Xtol (1+2)       | NA         | 12.5           |
| Xtol (1+3)       | NA         | 17             |

### **KODAK PLUS-X**

| <b>REVELADOR</b>      | <b>ASA</b> | <b>MINUTOS</b> |
|-----------------------|------------|----------------|
| A-110 (1+9)           | 125        | 2.5            |
| A-110 (1+18)          | 125        | 3.5            |
| A-110 (1+9)           | 400        | 5.5            |
| A-110 (1+9)           | 800        | 8.5            |
| ACU-1 (1+10)          | 250        | 9 (21C)        |
| Acufine               | 250        | 4 (21C)        |
| Aculux (1+9)          | 160        | 6              |
| Acuspeed (1+7)        | 400        | 7.5            |
| Acutol (1+10)         | 200        | 7              |
| Acutol (1+15)         | 200        | 10.5           |
| Acutol (1+20)         | 200        | 14             |
| Clayton F60 (1+9) 125 | 5.5        |                |
| D-76                  | 125        | 5.5            |
| D-76 (1+1)            | 125        | 7              |
| Ethol Blue (1+30)     | 400        | 3 (21C)        |
| Ethol Blue (1+60)     | 125        | 3.5 (21C)      |
| Ethol TEC (1+15)      | 400        | 12 (21C)       |
| Ethol UFG             | 125        | 3 (21C)        |
| Ethol UFG             | 250        | 4 (21C)        |
| FG7 (1+3)             | 80         | 3.25 (21C)     |
| FG7 (1+15)            | 80         | 8 (21C)        |
| FG7 (1+15S)           | 80         | 6 (21C)        |
| FX39 (1+9)            | 125        | 6              |
| Gamma Plus (1+7)      | 125        | 4.5            |
| Gamma Plus (1+12)     | 125        | 8              |
| Gamma Plus (1+20)     | 125        | 11.5           |
| HC-110 (Dil.B)        | 125        | 5              |
| Heico OS (1+10)       | 125        | 5.75           |
| ID-11                 | 125        | 6              |
| ID-11 (1+1)           | 125        | 8              |
| ID-11 (1+3)           | 125        | 13             |
| Microdol-X            | 125        | 7              |
| Microdol-X (1+3)      | 125        | 9.5 (24C)      |
| Microphen             | 200        | 6              |
| Microphen             | 400        | 19.5           |
| Microphen (1+1)       | 200        | 8.5            |
| Microphen (1+3)       | 200        | 13.5           |
| Neofin Red            | 125        | 9              |
| Neofin Blue           | 125        | 6              |
| Perceptol             | 64         | 8              |
| Perceptol (1+1)       | 64         | 8.5            |
| Perceptol (1+3)       | 64         | 12             |
| PMK                   | 80         | 9 (21C)        |
| Rodinal (1+25)        | 125        | 6              |
| Rodinal (1+50)        | 125        | 13             |

| <b>REVELADOR</b> | <b>ASA</b> | <b>MINUTOS</b> |
|------------------|------------|----------------|
| Rodinal (1+85)   | 200        | 12 (24C)       |
| TMax RS          | 125/250    | 5.5            |
| TMax RS          | 500        | 6.5 (24C)      |
| Ultrafin (1+20)  | 125        | 8              |
| Xtol             | 32/64      | 4.5            |
| Xtol             | 125        | 5.25           |
| Xtol             | 250        | 6.5            |
| Xtol             | 500        | 8              |
| Xtol             | 1000       | 10.25          |
| Xtol (1+1)       | 32/64      | 6.5            |
| Xtol (1+1)       | 125        | 7.5            |
| Xtol (1+1)       | 250        | 8.75           |
| Xtol (1+1)       | 500        | 11             |
| Xtol (1+1)       | 1000       | 15.5           |
| Xtol (1+2)       | 32/64      | 7.5            |
| Xtol (1+2)       | 125        | 8.5            |
| Xtol (1+2)       | 250        | 9.75           |
| Xtol (1+2)       | 500        | 13             |
| Xtol (1+2)       | 1000       | 16.5           |
| Xtol (1+3)       | 32/64      | 9.5            |
| Xtol (1+3)       | 125        | 10.5           |
| Xtol (1+3)       | 250        | 12             |
| Xtol (1+3)       | 500        | 15.5           |
| Xtol (1+3)       | 1000       | 19.5           |

### **PANATOMIC-X**

| <b>REVELADOR</b> | <b>ASA</b> | <b>MINUTOS</b> |
|------------------|------------|----------------|
| A-110 (1+18)     | 32         | 4.5            |
| A-110 (1+9)      | 100        | 7.5            |
| A-110 (1+9)      | 160        | 9.5            |
| A-110 (1+9)      | 400        | 12             |

### **KODAK RECORDING FILM**

| <b>REVELADOR</b>  | <b>ASA</b> | <b>MINUTOS</b> |
|-------------------|------------|----------------|
| A-110 (1+9)       | 1000       | 6              |
| A-110 (1+9)       | 1600       | 8              |
| A-110 (1+9)       | 3200       | 10             |
| A-110 (1+9)       | 6400       | 14             |
| Acufine           | 1600       | 9 (21C)        |
| DK-50             | 1000       | 6              |
| Ethol Blue (1+30) | 2400       | 10 (21C)       |
| Ethol TEC (1+30)  | 100        | 5.5 (21C)      |
| Ethol UFG         | 4000       | 10.5 (21C)     |
| FG7 (1+3)         | 1000       | 5 (21C)        |
| FG7 (1+15)        | 1000       | 12 (21C)       |
| FG7 (1+15S)       | 1000       | 8 (21C)        |
| HC-110 (Dil.A)    | 1000       | 4.5            |
| HC-110 (Dil.B)    | 1000       | 9              |
| Rodinal (1+25)    | 1000       | 4.5            |
| Rodinal (1+50)    | 1000       | 10             |

**KODAK TMAX 100**

| <b>REVELADOR</b>  | <b>ASA</b> | <b>MINUTOS</b> |       |
|-------------------|------------|----------------|-------|
| ACU-1 (1+10)      | 160        | 12             | (21C) |
| Acufine           | 200        | 4.5            | (21C) |
| Aculux (1+9)      | 100        | 9              |       |
| Acuspeed (1+7)    | 250        | 10             |       |
| Acutol (1+10)     | 125        | 8.5            |       |
| Acutol (1+15)     | 125        | 13             |       |
| Acutol (1+20)     | 125        | 17             |       |
| Clayton F60 (1+9) | 100        | 7              |       |
| D-76/ID-11        | 100/200    | 9              |       |
| D-76/ID-11        | 400        | 11             |       |
| D-76/ID-11 (1+1)  | 100/200    | 12             |       |
| Ethol Blue (1+30) | 160        | 6.5            | (21C) |
| Ethol TEC(1+15)   | 100        | 14.5           | (21C) |
| Ethol TEC (1+15)  | 160        | 17             | (21C) |
| Ethol UFG         | 100        | 6              | (21C) |
| Ethol UFG         | 320        | 9.5            | (21C) |
| FG7 (1+3)         | 64         | 4.75           | (21C) |
| FG7 (1+15)        | 64         | 12             | (21C) |
| FG7 (1+15S)       | 64         | 8              | (21C) |
| FX39 (1+9)        | 100        | 8              |       |
| Gamma Plus (1+7)  | 100        | 6              |       |
| Gamma Plus (1+12) | 100        | 9              |       |
| Gamma Plus (1+20) | 100        | 14             |       |
| HC-110 (Dil.B)    | 100/200    | 7              |       |
| HC-110 (Dil.B)    | 400        | 9.5            |       |
| Heico OS (1+10)   | 100        | 5.5            |       |
| Microdol-X        | 100/200    | 13.5           |       |
| Microdol-X (1+3)  | 100/200    | 16             | (24C) |
| Microphen (1+1)   | 100/200    | 11             |       |
| Rodinal (1+25)    | 100/200    | 5.5            |       |
| Rodinal (1+50)    | 100/200    | 12             |       |
| TG7 (1+3)         | 50         | 4              | (21C) |
| TG7 (1+15)        | 50         | 10             | (21C) |
| TG7 (1+15S)       | 50         | 7              | (21C) |
| TMax Dev (1+4)    | 100/200    | 6.5            | (24C) |
| TMax Dev (1+4)    | 400        | 9              | (24C) |
| TMax Dev (1+4)    | 800        | 10.5           | (24C) |
| TMax RS           | 100/200    | 6              | (24C) |
| TMax RS           | 400        | 9              | (24C) |
| TMax RS           | 800        | 11.5           | (24C) |
| Xtol              | 25/50      | 5.75           |       |
| Xtol              | 100        | 6.75           |       |
| Xtol              | 200        | 7.75           |       |
| Xtol              | 400        | 9              |       |
| Xtol              | 800        | 10.5           |       |
| Xtol (1+1)        | 25/50      | 8              |       |
| Xtol (1+1)        | 100        | 9.25           |       |
| Xtol (1+1)        | 200        | 10.25          |       |
| Xtol (1+1)        | 400        | 12.5           |       |
| Xtol (1+1)        | 800        | 14.5           |       |
| Xtol (1+2)        | 25/50      | 11.5           |       |
| Xtol (1+2)        | 100        | 12.5           |       |
| Xtol (1+2)        | 200        | 13.75          |       |
| Xtol (1+2)        | 400        | 15.75          |       |
| Xtol (1+2)        | 800        | 18             |       |
| Xtol (1+3)        | 25/50      | 14.5           |       |
| Xtol (1+3)        | 100        | 16             |       |



| REVELADOR  | ASA | MINUTOS |
|------------|-----|---------|
| Xtol (1+3) | 200 | 18.25   |
| Xtol (1+3) | 400 | 20.5    |
| Xtol (1+3) | 800 | 23      |

### KODAK TMAX 400

| REVELADOR           | ASA     | MINUTOS      |
|---------------------|---------|--------------|
| ACU-1 (1+10)        | 1000    | 12 (21C)     |
| Acufine             | 800     | 4.5 (21C)    |
| Aculux (1+9)        | 400     | 12           |
| Acuspeed (1+7)      | 1000    | 13           |
| Acutol (1+10)       | 500     | 9.5          |
| Acutol (1+15)       | 500     | 14           |
| Acutol (1+20)       | 500     | 19           |
| Clayton F60 (1+9)   | 400     | 7.5          |
| D-76/ID-11          | 400/800 | 8            |
| D-76/ID-11          | 1600    | 10.5         |
| D-76/ID-11 (1+1)    | 400/800 | 12.5         |
| Ethol Blue (1+30)   | 800     | 6.25 (21C)   |
| Ethol TEC (1+15)    | 320     | 15.25 (21C)  |
| Ethol TEC (1+15)    | 640     | 18.5 (21C)   |
| Ethol UFG           | 200     | 3.75 (21C)   |
| Ethol UFG           | 1000    | 7.25 (21C)   |
| FG7 (1+3)           | 250     | 4.5 (21C)    |
| FG7 (1+15)          | 250     | 13.5 (21C)   |
| FG7 (1+15S)         | 250     | 7.5 (21C)    |
| FX39 (1+9)          | 400     | 10           |
| Gamma Plus (1+7)    | 400     | 7            |
| Gamma Plus (1+12)   | 400     | 9.5          |
| Gamma Plus (1+20)   | 400     | 14.5         |
| HC-110 (Dil.B)      | 400/800 | 6            |
| HC-110 (Dil.B)      | 1600    | 8.5          |
| Heico OS (1+10)     | 400     | 4.25         |
| Ilford LC-29 (1+24) | 1600    | 9.5-10 (25C) |
| Microdol-X          | 400/800 | 10.5         |
| Microdol-X (1+3)    | 400/800 | 16 (24C)     |
| Microphen (1+1)     | 400/800 | 10           |
| Microphen (1+1)     | 1600    | 13           |
| Rodinal (1+25)      | 400/800 | 5            |
| Rodinal (1+50)      | 400/800 | 10           |
| TG7 (1+3)           | 250     | 4 (21C)      |
| TG7 (1+15)          | 250     | 10.5 (21C)   |
| TG7 (1+15S)         | 250     | 6 (21C)      |
| TMax Dev (1+4)      | 400/800 | 7            |
| TMax Dev (1+4)      | 1600    | 8            |
| TMax Dev (1+4)      | 3200    | 9.5          |
| TMax RS             | 400/800 | 5 (24C)      |
| TMax RS             | 1600    | 7 (24C)      |
| TMax RS             | 3200    | 9.5 (24C)    |
| Xtol                | 100/200 | 5.75         |
| Xtol                | 400     | 6.5          |
| Xtol                | 800     | 7.25         |
| Xtol                | 1600    | 8.5          |
| Xtol                | 3200    | 9.5          |
| Xtol (1+1)          | 100/200 | 8            |
| Xtol (1+1)          | 400     | 8.75         |
| Xtol (1+1)          | 800     | 9.5          |

| REVELADOR  | ASA     | MINUTOS |
|------------|---------|---------|
| Xtol (1+1) | 1600    | 10.75   |
| Xtol (1+1) | 3200    | 12.5    |
| Xtol (1+2) | 100/200 | 9.5     |
| Xtol (1+2) | 400     | 10.5    |
| Xtol (1+2) | 800     | 12.25   |
| Xtol (1+2) | 1600    | 13.75   |
| Xtol (1+2) | 3200    | 16      |
| Xtol (1+3) | 100/200 | 12.25   |
| Xtol (1+3) | 400     | 13.5    |
| Xtol (1+3) | 800     | 15      |
| Xtol (1+3) | 1600    | 17      |
| Xtol (1+3) | 3200    | 20      |

### KODAK TMAX P3200

| REVELADOR         | ASA  | MINUTOS     |
|-------------------|------|-------------|
| ACU-1 (1+10)      | 3200 | 18.75 (21C) |
| ACU-1 (1+10)      | 6400 | 22.5 (21C)  |
| Acufine           | 3200 | 7.5 (21C)   |
| Aculux (1+9)      | 1600 | 14          |
| Aculux (1+9)      | 3200 | 18          |
| Acuspeed (1+7)    | 6400 | 14          |
| D-76              | 400  | 7.5 (24C)   |
| D-76              | 800  | 8 (24C)     |
| D-76              | 1600 | 8.5 (24C)   |
| D-76              | 3200 | 11 (24C)    |
| D-76              | 6400 | 12.5 (24C)  |
| Ethol Blue (1+30) | 3200 | 14.5 (21C)  |
| Ethol Blue (1+30) | 6400 | 20 (21C)    |
| Ethol TEC (1+15)  | 3200 | 17.5 (21C)  |
| Ethol TEC (1+15)  | 6400 | 22.75 (21C) |
| Ethol UFG         | 1600 | 5.5 (21C)   |
| Ethol UFG         | 3200 | 7.5 (21C)   |
| Ethol UFG         | 6400 | 10.5 (21C)  |
| FG7 (1+3)         | 1600 | 6.5 (21C)   |
| FG7 (1+3)         | 3200 | 7.5 (21C)   |
| FG7 (1+15)        | 1600 | 13 (21C)    |
| FG7 (1+15)        | 3200 | 15 (21C)    |
| FG7 (1+15S)       | 1600 | 10 (21C)    |
| FG7 (1+15S)       | 3200 | 14.5 (21C)  |
| FX39 (1+9)        | 3200 | 12          |
| Gamma Plus (1+7)  | 3200 | 6.5         |
| Gamma Plus (1+12) | 3200 | 9.5         |
| Gamma Plus (1+20) | 3200 | 13.5        |
| HC-110 (Dil.B)    | 400  | 5 (24C)     |
| HC-110 (Dil.B)    | 800  | 5.5 (24C)   |
| HC-110 (Dil.B)    | 1600 | 6 (24C)     |
| HC-110 (Dil.B)    | 3200 | 7.5 (24C)   |
| HC-110 (Dil.B)    | 6400 | 9.5 (24C)   |
| Ilfotec HC (1+31) | 1600 | 9           |
| Ilfotec HC (1+31) | 3200 | 11.5        |
| Microphen (1+1)   | 1600 | 13.5        |
| Microphen (1+1)   | 3200 | 18          |
| Microphen (1+1)   | 6400 | 21          |
| Rodinal (1+25)    | 3200 | 8           |
| Rodinal (1+50)    | 3200 | 16          |
| TG7 (1+3)         | 1600 | 5.5 (21C)   |
| TG7 (1+3)         | 3200 | 7.5 (21C)   |

| <b>REVELADOR</b> | <b>ASA</b> | <b>MINUTOS</b> |       |
|------------------|------------|----------------|-------|
| TG7 (1+15)       | 1600       | 12             | (21C) |
| TG7 (1+15)       | 3200       | 12             | (21C) |
| TG7 (1+15S)      | 1600       | 10             | (21C) |
| TG7 (1+15S)      | 3200       | 9.5            | (21C) |
| TMax Dev (1+4)   | 400        | 6              | (24C) |
| TMax Dev (1+4)   | 800        | 6.5            | (24C) |
| TMax Dev (1+4)   | 1600       | 7              | (24C) |
| TMax Dev (1+4)   | 3200       | 9.5            | (24C) |
| TMax Dev (1+4)   | 6400       | 11             | (24C) |
| TMax Dev (1+4)   | 12500      | 12.5           | (24C) |
| TMax Dev (1+4)   | 25000      | 14             | (24C) |
| TMax RS          | 400        | 8              | (24C) |
| TMax RS          | 800        | 9              | (24C) |
| TMax RS          | 1600       | 10.5           | (24C) |
| TMax RS          | 3200       | 13.5           | (24C) |
| TMax RS          | 6400       | 15             | (24C) |
| TMax RS          | 12500      | 12             | (24C) |
| TMax RS          | 25000      | 14             | (24C) |
| Xtol             | 100/200    | 7              |       |
| Xtol             | 400        | 7.5            |       |
| Xtol             | 800        | 8.25           |       |
| Xtol             | 1600       | 9.25           |       |
| Xtol             | 3200       | 11             |       |
| Xtol             | 6400       | 12.5           |       |
| Xtol             | 12500      | 15.25          |       |
| Xtol             | 25000      | 18.5           |       |
| Xtol (1+1)       | 100/200    | 10.5           |       |
| Xtol (1+1)       | 400        | 11.5           |       |
| Xtol (1+1)       | 800        | 12.5           |       |
| Xtol (1+1)       | 1600       | 14             |       |
| Xtol (1+1)       | 3200       | 16.5           |       |
| Xtol (1+1)       | 6400       | 19.5           |       |
| Xtol (1+1)       | 12500      | 22.5           |       |
| Xtol (1+1)       | 25000      | 26             |       |
| Xtol (1+2)       | 100/200    | 14.25          |       |
| Xtol (1+2)       | 400        | 15.5           |       |
| Xtol (1+2)       | 800        | 16.5           |       |
| Xtol (1+2)       | 1600       | 19             |       |
| Xtol (1+2)       | 3200       | 22             |       |
| Xtol (1+2)       | 6400       | 26.5           |       |
| Xtol (1+3)       | 100/200    | 17.25          |       |
| Xtol (1+3)       | 400        | 18.5           |       |
| Xtol (1+3)       | 800        | 20.5           |       |
| Xtol (1+3)       | 1600       | 23             |       |
| Xtol (1+3)       | 3200       | 27             |       |

**KODAK TECHNICAL PAN**

| <b>REVELADOR</b>                           | <b>ASA</b> | <b>MINUTOS</b> |  |
|--|------------|----------------|--|
| Para muy alto contraste                    |            |                |  |
| D-19                                       | 100-200    | 2-8            |  |
| D-19 (1+2)                                 | 100-160    | 4-7            |  |
| Dektol                                     | 200        | 3              |  |
| Kodalith                                   | 50         | 3              |  |
| <b>(para alto contraste/tono continuo)</b> |            |                |  |
| D-76/ID-11                                 | 50-125     | 6-12           |  |

| <b>REVELADOR</b>   | <b>ASA</b> | <b>MINUTOS</b> |       |
|--------------------|------------|----------------|-------|
| Ethol Blue (1+120) | 64         | 6              | (21C) |
| Ethol TEC (1+30)   | 100        | 5.5            | (21C) |
| FG7 (1+15)         | 25         | 12.5           | (21C) |
| HC-110 (Dil.B)     | 100-250    | 4-12           |       |
| HC-110 (Dil.D)     | 80-125     | 4-8            |       |
| Microdol-X         | 32-50      | 8-12           |       |
| Rodinal (1+50)     | 25         | 4.5            |       |
| Technidol LC       | 25-32      | 7-18           |       |
| TMAX Dev (1+4)     | 50         | 4-7            | (24C) |
| Xtol (1+2)         | 4          | 6              |       |
| Xtol (1+3)         | 8          | 8              | (21C) |
| Xtol (1+4)         | 12.5       | 10.5           | (21C) |
| Xtol (1+5)         | 25         | 6              | (21C) |

**(para tono continuo)**

|                         |       |      |       |
|-------------------------|-------|------|-------|
| Acutol (1+20)           | 25-50 | 10   |       |
| C-41 (Color) Revelador* | 100   | 10   | (24C) |
| Gamma Plus (1+12)       | ?     | 6    |       |
| Gamma Plus (1+20)       | ?     | 8.5  |       |
| HC-110 (Dil.F)          | 32-64 | 6-12 |       |
| Rodinal (1+150)         | 25-64 | 7    |       |
| Rodinal (1+300)         | 25-64 | 12   |       |
| Technidol LC            | 16-25 | 5-11 |       |

\*use C-41 Revelador only, use B/W fixer, do not bleach.

**KODAK TRI-X**

| <b>REVELADOR</b>  | <b>ASA</b> | <b>MINUTOS</b> |       |
|-------------------|------------|----------------|-------|
| A-110 (1+9)       | 400        | 3.45           |       |
| A-110 (1+18)      | 400        | 5              |       |
| A-110 (1+9)       | 800        | 5.5            |       |
| A-110 (1+9)       | 1600       | 9              |       |
| A-110 (1+9)       | 3200       | 14             |       |
| ACU-1 (1+5)       | 1000       | 10             | (21C) |
| Acufine           | 1000       | 5              | (21C) |
| Aculux (1+9)      | 500        | 9              |       |
| Acuspeed (1+7)    | 1250       | 9              |       |
| Acutol (1+10)     | 640        | 9              |       |
| Acutol (1+15)     | 640        | 13.5           |       |
| Clayton F60 (1+9) | 400        | 6              |       |
| D-76              | 400        | 8              |       |
| D-76              | 1600       | 13             |       |
| D-76 (1+1)        | 400        | 10             |       |
| Ethol Blue (1+60) | 400        | 5.5            | (21C) |
| Ethol Blue (1+30) | 1600       | 5.25           | (21C) |
| Ethol Blue (1+30) | 2400       | 6.75           | (21C) |
| Ethol TEC (1+15)  | 1000       | 12             | (21C) |
| Ethol UFG         | 1280       | 5.25           | (21C) |
| Ethol UFG         | 400        | 3              | (21C) |
| FG7 (1+3)         | 320        | 5.25           | (21C) |
| FG7 (1+15)        | 320        | 12             | (21C) |
| FG7 (1+15S)       | 320        | 9              | (21C) |
| FX39 (1+9)        | 400        | 8              |       |
| Gamma Plus (1+7)  | 400        | 7.5            |       |
| Gamma Plus (1+12) | 400        | 9              |       |

| REVELADOR         | ASA     | MINUTOS    |
|-------------------|---------|------------|
| Gamma Plus (1+20) | 400     | 13.5       |
| HC-110 (Dil.A)    | 400     | 3.75       |
| HC-110 (Dil.B)    | 400     | 7.5        |
| HC-110 (Dil.B)    | 1600    | 16         |
| Heico OS (1+10)   | 400     | 5.75       |
| ID-11             | 400     | 8          |
| ID-11 (1+1)       | 400     | 11         |
| Microdol-X        | 400     | 10         |
| Microdol-X (1+3)  | 400     | 13 (24C)   |
| Microphen         | 500     | 6          |
| Microphen         | 1600    | 16         |
| Microphen (1+1)   | 500     | 11         |
| Microphen (1+1)   | 800     | 15         |
| Microphen (1+1)   | 1600    | 16.5       |
| Microphen (1+1)   | 3200    | 24         |
| Microphen (1+3)   | 500     | 22         |
| Neofin Red        | 400     | 9-12       |
| Perceptol         | 320     | 10         |
| Perceptol (1+1)   | 320     | 12         |
| Perceptol (1+3)   | 320     | 15         |
| Rodinal (1+100)   | 400     | 20         |
| Rodinal (1+100)   | 800     | 17.5 (24C) |
| Rodinal (1+25)    | 400     | 7          |
| Rodinal (1+50)    | 400     | 13-16      |
| Rodinal (1+50)    | 800     | 16.5       |
| Rodinal (1+50)    | 1600    | 18.5       |
| Rodinal (1+60)    | 400     | 15         |
| Rodinal (1+75)    | 400     | 17.5       |
| TMax Dev (1+4)    | 400/800 | 6          |
| TMax Dev (1+4)    | 1600    | 8.5        |
| TMax Dev (1+4)    | 3200    | 11         |
| TMax RS           | 400/800 | 5 (24C)    |
| TMax RS           | 1600    | 8 (24C)    |
| TMax RS           | 3200    | 11 (24C)   |
| Ultrafin (1+10)   | 400     | 6-8        |
| Xtol              | 100/200 | 5.5        |
| Xtol              | 400     | 6.75       |
| Xtol              | 800     | 7.75       |
| Xtol              | 1600    | 9          |
| Xtol              | 3200    | 10.5       |
| Xtol (1+1)        | 100/200 | 8          |
| Xtol (1+1)        | 400     | 8.75       |
| Xtol (1+1)        | 800     | 10         |
| Xtol (1+1)        | 1600    | 11.75      |
| Xtol (1+1)        | 3200    | 13.5       |
| Xtol (1+2)        | 100/200 | 8.75       |
| Xtol (1+2)        | 400     | 10.5       |
| Xtol (1+2)        | 800     | 12.5       |
| Xtol (1+2)        | 1600    | 14.5       |
| Xtol (1+2)        | 3200    | 17         |
| Xtol (1+3)        | 100/200 | 10.75      |
| Xtol (1+3)        | 400     | 12.5       |
| Xtol (1+3)        | 800     | 14         |
| Xtol (1+3)        | 1600    | 16.5       |
| Xtol (1+3)        | 3200    | 20         |

### KODAK VERICHROME PAN

| <b>REVELADOR</b>  | <b>ASA</b> | <b>MINUTOS</b> |
|-------------------|------------|----------------|
| ACU-1 (1+5)       | 250        | 11.25 (21C)    |
| Acufine           | 250        | 5 (21C)        |
| Aculux (1+9)      | 160        | 9              |
| Acutol (1+10)     | 160        | 9              |
| Acutol (1+15)     | 160        | 13.5           |
| Acutol (1+20)     | 160        | 18             |
| D-76              | 125        | 7              |
| D-76 (1+1)        | 125        | 9              |
| Ethol Blue (1+60) | 200        | 5 (21C)        |
| Ethol TEC (1+15)  | 320        | 8 (21C)        |
| Ethol UFG         | 160        | 2.5 (21C)      |
| Gamma Plus (1+12) | 100        | 7.5            |
| HC-110 (Dil.B)    | 125        | 4.25           |
| Microdol-X        | 125        | 9              |
| Microdol-X (1+3)  | 125        | 12             |
| PMK               | 64         | 7 *            |
| Xtol              | 32/64      | 5              |
| Xtol              | 125        | 6              |
| Xtol              | 250        | 7              |
| Xtol              | 500        | 8.5            |
| Xtol              | 1000       | 11             |
| Xtol (1+1)        | 32/64      | 6.75           |
| Xtol (1+1)        | 125        | 7.5            |
| Xtol (1+1)        | 250        | 8.75           |
| Xtol (1+1)        | 500        | 10.75          |
| Xtol (1+1)        | 1000       | 13.75          |
| Xtol (1+2)        | 32/64      | 7.5            |
| Xtol (1+2)        | 125        | 8.5            |
| Xtol (1+2)        | 250        | 10.25          |
| Xtol (1+2)        | 500        | 12.75          |
| Xtol (1+2)        | 1000       | 16.25          |
| Xtol (1+3)        | 32/64      | 9.25           |
| Xtol (1+3)        | 125        | 10.25          |
| Xtol (1+3)        | 250        | 11.75          |
| Xtol (1+3)        | 500        | 14             |
| Xtol (1+3)        | 1000       | 16.5           |

### KONICA IR 750

| <b>REVELADOR</b> | <b>ASA</b> | <b>MINUTOS</b> |
|------------------|------------|----------------|
| Aculux           | NA         | 8              |
| Acutol           | NA         | 8              |
| D-76 (1+1)       | NA         | 8.5            |
| D-76             | NA         | 6              |
| DK-20            | NA         | 7              |
| FG7 (1+15)       | 25         | 7 (21C)        |
| HC-110 (Dil.B)   | NA         | 7              |
| ID-11            | NA         | 6              |
| Konicadol DP     | NA         | 6              |
| Konicadol Fine   | NA         | 7              |
| Konicadol Super  | NA         | 6              |
| Rodinal (1+50)   | NA         | 5              |
| Rodinal (1+75)   | NA         | 9              |

## ORIENTAL

### ORIPAN 400

| REVELADOR  | ASA  | MINUTOS |
|------------|------|---------|
| D-76       | 400  | 7.5     |
| D-76       | 1600 | 13.5    |
| D-76 (1+1) | 800  | 9.5     |

## ORWO FILMS

| REVELADOR | ASA | MINUTOS |
|-----------|-----|---------|
|-----------|-----|---------|

### Orwopan 100

|                          |     |      |
|--------------------------|-----|------|
| Calbe A03                | 100 | 6-8  |
| Calbe A49/Atomal FF      | 100 | 5-7  |
| Calbe F19/D76            | 100 | 5-7  |
| Calbe R09/Rodinal (1+40) | 100 | 8-9  |
| Atomal                   | 100 | 5-7  |
| D76                      | 100 | 5-7  |
| HC110(1+31)              | 100 | 4-5  |
| ID11                     | 100 | 5-7  |
| Microdol X               | 100 | 8-10 |
| Microphen                | 100 | 5-7  |
| Rodinal (1+25)           | 100 | 5-7  |
| T-Max (1+4)              | 100 | 5-6  |
| Ultrafin Plus (1+4)      | 100 | 9-11 |

### Orwopan 400

|                  |     |       |
|------------------|-----|-------|
| Calbe A03        | 400 | 6-8   |
| Calbe A49        | 400 | 8-10  |
| Calbe F19        | 400 | 9-11  |
| Calbe R09 (1+40) | 400 | 13-15 |
| Atomal           | 400 | 10-12 |
| D-76             | 400 | 9-11  |
| HC110 (1+31)     | 400 | 8-10  |
| ID11             | 400 | 9-11  |
| Ilfosol S (1+9)  | 400 | 7-8   |
| Microdol X       | 400 | 12-14 |
| Rodinal(1+25)    | 400 | 7-9   |
| T-Max            | 400 | 8-10  |
| Ultrafin Plus    | 400 | 15-17 |

## TURA FILMS

| REVELADOR | ASA | MINUTOS |  |
|-----------|-----|---------|--|
|-----------|-----|---------|--|

### Tura P150

|                        |     |    |   |
|------------------------|-----|----|---|
| Neofin Blue            | 150 | 12 | * |
| Neofin Red             | 150 | 10 |   |
| Emofin Powder          | 150 | 3  |   |
| Emofin Liquid          | 150 | 8  |   |
| Ultrafin SF            | 150 | 13 |   |
| Ultrafin SF (1+1)      | 150 | 5  | * |
| Ultrafin Plus (1+4)    | 150 | 6  |   |
| Ultrafin Plus (1+6)    | 150 | 8  |   |
| Ultrafin Liquid (1+10) | 150 | 8  |   |
| Ultrafin Liquid (1+20) | 150 | 17 |   |
| Ultrafin Liquid (1+30) | 150 | 12 | * |

### Tura P400

|                        |     |     |   |
|------------------------|-----|-----|---|
| Neofin Blue            | 400 | 12  | * |
| Neofin Red             | 400 | 15  |   |
| Emofin Powder          | 400 | 6   |   |
| Emofin Liquid          | 400 | 7   |   |
| Ultrafin Plus (1+4)    | 400 | 7.5 |   |
| Ultrafin Plus (1+6)    | 400 | 10  |   |
| Ultrafin Liquid (1+10) | 400 | 11  |   |
| Ultrafin Liquid (1+20) | 400 | 10  | * |