Black and White Reversal Positive

Is there picture only?

NO

Is there sound only?

YES

Sound Print

NO

Does it occupy the complete area between the perforations?

NO

NO

Silent Reversal Print

NO

Combination Reversal Print

YES

For further information on Reversal prints

Go to Page 34

If the maximum density is low and the print reads through the base it could be a direct positive print. Used to make 'slash dupes' and dubbing prints from cutting copies

Go to Page 6 for Sound track Identification

Mute Reversal Print

Return to Start

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Duplicating Positives

Is the base Lavender or Blue

NO

Fine Grain Duplicating Positive

YES

Lavender Fine Grain Duplicating Positive

Note printed through (White) Edge numbers From original negative
Positive Sound Tracks

Is the track Variable Area

- Yes
  - Twin Unilateral
  - Single Bilateral
  - Bilateral Multi-hump
  - Photophone
  - Leevers-Rich Twin Unilateral

- No
  - Go to Page 7

Negative tracks are black where the positive are white and white where they are black

Twin Bilateral Negative track

Unilateral Negative with shutter noise reduction

Dolby encoded Stereo

Twin Bilateral with centre septum noise reduction

Class B Push-Pull

Class A Push-Pull

Visatone

Unilateral Positive with shutter noise reduction

Twin Unilateral Positive with shutter noise reduction

Dolby encoded Stereo Positive

Twin Bilateral Positive with centre septum noise reduction

Class B Push-Pull Positive

Class A Push-Pull Positive

Visatone Positive

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Sound Tracks

Is the track Variable Density?

- NO: Go to Page 8
- YES: Twin Squeezed Variable Density

Variable Density

Gasparcolor Variable Density

Variable Density on tinted stock

Technicolor Variable Density

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Digital Tracks

- SDDS Digital Track
- Control Track
- Analogue Dolby Stereo
- Dolby Digital
- SDDS Digital Track
B/W Negative

Does it have picture only?  NO  YES

Does it have Picture and Sound?  NO  YES

Sound Negative

Combined Negative

Is there more than one image in a frame?  NO  YES

Mute Negative  Go to Page 26

Silent Negative

Go to Page 23 for further identification

Go to Page 6 for Sound track Identification

Return to Start

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Is the Perforation area Black?

NO

Is the Perforation area Orange?

YES

Does it have a sound track?

NO

Colour Reversal Intermediate

YES

Positive stock used as a leader when making a colour negative

COLOUR NEGATIVE

Combined colour Internegative

Return to Start

Go to Page 17
Colour Positive

Is there picture only?

YES

Is there sound only?

YES

Sound Print

NO

Does it occupy the complete area between the perforations?

YES

Silent Print

NO

Combined Print

NO

Mute Print

Return to Start

Go to Page 6 for Sound track Identification

Go to Page 14 for identification using soundtrack

Go to Page 20 for identifying two colour systems
Perforation Area Coloured

Image goes from colour to black

Are the darkest densities coloured?

NO

Tinted Print

YES

Image goes from colour of tint (perforation area) to colour of tone (densest areas)

Tinted and Toned Print

Return to Start

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Identification using sound tracks

Is the sound track and any edge printing Black and White?

YES → Technicolor Print

NO → Is the track black or dark blue?

YES → Colour print Eastman, Agfa Fuji

NO → Is the track Neutral/Brown?

YES → Colour print Orwo or Sovcolor

NO → Likely to be a non-substantive colour system; possibly Gasparcolor, Dufaycolor or a two colour system Such as Cinecolor
Note Blue Track and Pink Perforations

Cinecolor

Dufaycolor Print

Check For Reseau

The Dufaycolor reseau is a series of crossed red, green and blue lines
Can you see a reseau?

Yes

Dufaycolor Negative

No

Unmasked Negative

Note the base is clear. This sample the image has faded to magenta

Enlargement of the reseau

The Dufaycolor reseau is a series of crossed red, green and blue lines

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Two Colour Systems using tones (dye and metallic)

- Duplex
- Technicolor (2 colour)
- Technicolor (2 colour)
- Dascolor
- Cinecolor

Look for traces of the two colours around the frame or in and around the perforations.

Check also for duplex films – those with emulsion on both sides.
Further Identification of B/W Positives

Are adjacent frames identical?

Yes

Are there two or three rolls that are identical but with density differences for the colours?

Yes

Separation Positives

No

Look for differences in densities of things such as trees or here, the colour of the parrot

Kinemacolor

Friese-Green

Lee-Turner 3 Colour

No

Go to Page 22 for further identification

Go to Page 29

Return to Start

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Are the separations of normal density?

Yes

Separation Positives

Technicolor Protection Masters

Red Green and Blue Separation Positives

If the matrices have been used there will be traces of Yellow, Cyan and Magenta dye left in the emulsion

Technicolor RGB Matrices
Further Identification of B/W Negatives

Are adjacent frames identical?

YES

Are there two or three rolls that are identical but with density differences for the colours?

YES

Separation Negatives

NO

Go to Page 25 for further identification

NO

Check page 25 if the negative might be an orphan Separation negative

Look for differences in densities of things such as trees or here, the colour of the parrot

Note the density differences between the frames and that alternate frames are inverted. Also because the frames are shot in pairs the different framelines

Kinemacolor 2 colour sequential

Lee-Turner 3 Colour Sequential

Technicolor system 2 colour red and green

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Toned Prints

Is the image in colour? (Is there more than 1 colour?)

- YES: Go to Page 12
- NO: Edge printing, Stock manufacturer for example, will also be the same colour

Toning can either be metallic or dye toned

Toned Print
B/W Separation Negatives

Do you have three records?

- **YES**
  - Are there ink edge numbers in the track Area?
    - **YES**
      - Technicolor Three Strip Camera Negatives
      - Technicolor three strip camera negatives have an ink edge number printed in the sound track area and the red record will read through the emulsion, the blue and green through the base
    - **NO**
      - Look for information on the leader that might identify for example a red separation negative.

- **NO**
  - Separation Negatives

Note the ink edge numbers printed in the track area also that the numbers from the red separation (the sample on the left) are reading the other way round, this separation reads through the emulsion.
Colour Reversal Systems

- Film has emulsion on both sides, track is usually red

Gasparcolor

Look for the reseau

Dufaychrome

The Dufaycolor reseau is a series of crossed red, green and blue lines

Traditional colour reversal

Anscochrome, Kodachrome, Ektachrome Gevachrome, Agfachrome

Look for edge printing to identify manufacturer
Is there only one set of edge numbers?

**NO**

Duplicate Negative

**YES**

Original Negative

The original negative will have one set of edge numbers and will be dark on a clear background.

The edge numbers will be dark from the original negative and white from the interpos and dark on the duplicate negative.
Can you see moulded lines on the base and does the print read through the base?

NO

Does it appear to be very thin and blueish by reflection?

NO

Can you see scan lines in the Image?

YES

Viscalar Film is a non-silver base process

NO

Normal B/W positive but check with page 22 in case it is an orphan separation positive

Go to Page 31

Go to Page 22

Lenticular Colour Print

YES

Viscalar Film

Return to Start
Is there sound on both sides?

- **YES**
  - Double-sided Sound Print

- **NO**
  - Sound Print

Go to Page 6 for Sound track Identification
Is there Sound?

- Yes: Combined Tele-recording Print
- No: Mute Tele-recording Print

Tele-recordings are also called Kinescope recordings

Note the frame showing the scan lines

Go to Page 6 for Sound track Identification

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Is there Sound?

YES → Combined Tele-recording Neg

NO → Mute Tele-recording Neg

Tele-recordings are also called Kinescope recordings

Note the sample which shows a scene change in a tele-recording

Go to Page 6 for Sound track Identification

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Silent or Full frame

Academy

Wide screen

Vistavision

Techniscope

Superscope

Cinemascope

Technirama

Cinerama

Three projectors were used
To show the three images
Side by side
Notes on Black and White Reversal Prints

IMPORTANT!
The Sigma printer, unlike most printers, prints the area between the perforations. This makes the print appear to be reversal. Look for white original edge print (i.e. KODAK Safety Film) to confirm it as a reversal print or find black original edge print to verify it is a positive print. If the reversal print has been made from a normal print or a duplicating positive then the print through of the stock edge print from those stocks will be black on white.

If the film stock is polyester then it is very unlikely that the film is B/W reversal there have not been any reversal processes in this country since the 70's; before polyester stocks were introduced.

If you can find an area that has not been exposed then if it is normal positive it will be white or black if it is reversal.