

# Basic fuchsin

Cell Culture Tested

**Product Code: TC715**

## Product Description :

Molecular weight: 337.85

Molecular formula:  $C_{20}H_{20}ClN_3$

CAS No.: 632-99-5

Basic fuchsin is a mixture of rosaniline, pararosaniline, new fuchsine and Magenta II. When basic fuchsin is combined with sulfurous acid, it leads to formation of fuchsin sulfurous acid, commonly referred to as Schiff's reagent. This is used in histological or cellular staining of nucleus (chromosomal DNA).

## Storage and Shelf Life:

Store at 15-30°C away from bright light.

Shelf life is 48 months.

Use before expiry date given on the product label.

## Quality Control:

### Appearance

Green to dark olive green glistening crystals or powder

### Solubility

5 ppm in 50% ethanol yields clear solution

### Visual pH Transition

pH 1.0 (violet) to pH 3.1 (red)

### Absorption maxima

545 - 555 nm (5 ppm in 50% ethanol)

### Specific absorbance

2360 - 2710 (5 ppm in 50% ethanol at 545 - 555 nm)

### Loss on drying (at 110°C, 2 hr)

NMT 10.00%

### Cell Culture tested

Passes