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# **DATASHEET**

Neutral Red Solution (0.33%) (3.3g/L in DPBS)

#### **Product overview**

Name Neutral Red Solution (0.33%) (3.3g/L in DPBS)

Cat No HB0807

**Alternative names** N2889, Basic Red 5

**Biological description** Commonly used histological stain which stains lyosomes red. It can also be used as a counterstain with

other dyes.

It is frequently used as part of the neutral red uptake assay to provide a quantitative estimation of the

number of viable cells in a culture.

**Biological action** Description

Dyes & stains

Commonly used histological stain

## **Images**



# **Solubility & Handling**

+4°C Storage instructions

Solubility overview Soluble in water

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

**Shipping Conditions** Stable for ambient temperature shipping. Follow storage instructions on receipt. **Important** 

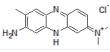
This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use

# **Chemical Data**

**Chemical name** Molecular Weight Chemical structure 3-Amino-7-dimethylamino-2-methylphenazine hydrochloride

288.78



PGSADBUBUOPOJS-UHFFFAOYSA-N

MDL number MFCD00012651

### References

InChiKey

### Neutral red uptake assay for the estimation of cell viability/cytotoxicity

Repetto G *et al* (2008) Nat Protoc 3(7) **PubMedID**18600217

The use of the dye neutral red as a specific, non-toxic, intra-vital stain of islets of Langerhans

Gray DW et al (1983) Br J Exp Pathol 64(5) **PubMedID**6196045

#### Assaying Cellular Viability Using the Neutral Red Uptake Assay

Ates G *et al* (2017) Methods Mol Biol 1601 **PubMedID** 28470514