FOR IMMEDIATE RELEASE

Small Holding Share Buy Back

SYDNEY, AUSTRALIA – 20th September 2010 – NuSep (ASX: NSP). As previously advised to the market, NuSep is undertaking a buy back of the shares of its smaller shareholders who held 455 shares or less (valued at less than $100) at 30th July 2010.

NuSep's focus is to build a shareholder base with active investors who understand the Bio Separations market and intend to lend their long term support to NuSep as shareholders. The buy back has been instituted to enable Shareholders holding a Small Holding to realise their shares without brokerage and other expenses and to reduce the administrative and registry costs associated with the shares.

Shareholders who do not wish to participate in the buy back must:

1. Return the Notice of Retention by no later than 5.00pm on Friday 24th September 2010; or

2. Sell the shares that they hold in NuSep on the ASX; or

3. Purchase additional ordinary shares in NuSep on the ASX so that the shareholder holds more than a Small Holding of shares on or before 24th September 2010.

If you do not do any of the above by 27th September 2010, your shares in NuSep will be purchased by NuSep. Should NuSep purchase your shares as part of the buy back, NuSep will post a cheque to you representing the proceeds of the purchase to you on 15th October 2010.

NuSep confirms that there will be no brokerage fees payable by shareholders whose shares are purchased by NuSep under the buy back. All shares purchased by NuSep under the buy back will be cancelled immediately.

NuSep is not providing any tax advice as to the implications of the buy back of your shares. If you require information regarding the possible tax implications for the sale of your shares under the buy back, please contact your professional advisor.

About NuSep

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NuSep (ASX: NSP) is a publicly listed life sciences company that sells products into the global BioSeparations market. NuSep recently acquired BioInquire which developed the ProteoIQ software enabling NuSep to offer a total Proteomics solution from ***Fraction to Function***. The company has offices in both Sydney Australia and Atlanta, USA.

With a 30 year heritage in biological separations, NuSep has forged a world class reputation for its innovative yet simple biological separation techniques including the world's first IVF sperm separation device. In short NuSep has redefined the BioSeparations market through innovation and simplification.

NuSep's world renowned research team has developed an extensive portfolio of patented products. In all, NuSep currently manufactures, distributes and sells 55 products to customers in the USA, Europe, Asia and Australia.

NuSep Products:

- **Gels** – NuSep manufactures and sells precast gels including the innovative NUView Gels, which can be visualised 2 minutes after use.
- **Separation Instruments** – NuSep has developed two unique biological separation instruments. The ProteomeSep was released in 2009 and can separate biological samples into 8 fractions for use in the proteomic market. The SpermSep separates sperm for fertility treatments such as IVF and is expected to undergoing clinical trials later this year.
- **Proteomics Software** – NuSep offers the unique ProteoIQ software for the analysis of complex mass spec samples. This software is also designed to identify bio markers.
- **Biological Products** – NuSep supplies research grade biological products manufactured using its unique separation technologies. These products include human IgG and Albumin.

For more information about NuSep please visit the company's website www.NuSep.com

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