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BHUBANESWAR | Wednesday, March 25, 2009 | [Email](#) | [Print](#) | ☆☆☆☆☆

OBPI produces vaccines with Fermenter technology

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Proverbs like 'Prevention is better than cure' and 'an ounce of prevention saves pounds' come true when preventive vaccine is of high quality with substance. In this age when scientific explosion is taking place in every walk of life, this holds true in case of immunisation programmes in the livestock sector where advanced technologies like Fermenter Technology ushers in a revolution in biological production in Orissa.

Fermenter technology, although not very new, uses some stringent parameters like Ph, Temp, CO2 and oxygen tension along with superb sterility measure in the most appropriate and perfect manner to produce high quality bacterial bio-mass for vaccine production. Fermentation, called Kinwana in Oriya, is known for its accuracy, bumper bio-mass production, homogenous monoculture ability and is universally well accepted in scientific community as well as in civil society. Of late the technology is more and more employed in all pharmaceutical industries for vaccine and drug development.

The Orissa Biological Products Institute (OBPI), Bhubaneswar recently used this technology for the first time to produce HS vaccine in its sixty-year history of vaccine production. The world-class Sartorius-made machine brought OBPI to a new era and propelled it to the orbit where only a few other well-known vaccine producing institutes exist. On the wee hours of March 21, the pioneering breakthrough came when a team of scientists and staff harvested the first batch of HS (Alum) containing the most pure and highest bio-mass from the fermenter. The microscope showing the biomass was queued by scientists to observe the first bumper harvest ever produced at OBPI, Bhubaneswar, said Deputy Director of OBPI Dr Bhagaban Patro.

The historic moment came on March 21 when the first batch of fermenter-produced HS vaccine was delivered out from the OBPI laboratory. Director of AH and VS, Bishnupada Sethi, released the batch in a departmental meeting held at OBPI conference hall. Sethi, who always supports new interventions, congratulated the whole team and stressed on the most important law of life, 'Embrace the Future'.

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