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Shijiazhuang LI Li - hua, HE Lu - jun, MA Yin - tu (1939)

Survey of microbiological contamination of commercial available infant formula sheep milk powder

..... HU Jing, PEI Xiao - yan, LI Ning, et al (1942)

Analysis of high – risk human papillomavirus infection among women in Wujiang district of Suzhou

..... LI Qiong, LU Jian - jun, WEI Zhi - qi, et al (1944)

Investigation and analysis of nosocomial fungal infection WEN Guo - hua, SHAO Mei - juan, JI Yu - cui (1947)

Detection and analysis of food – borne pathogens contamination in Guang' an in 2014

..... YUAN Xun, LI Tie - qiang, FENG Mei (1949)

Analysis of human immunodeficiency virus, syphilis and hepatitis C virus infection among male homosexuals in Jinan

..... HAN Ying, HAN Xiu - yun, LI Jian - zhuo, et al (1951)

Effect of thyroid hormone on the pregnancy outcome among pregnant women in Zhoushan islands area

..... ZHOU Xiao, SHI Xiao, YU Qian, et al (1954)

Molecular epidemiological surveillance of MRSA in community hospital

..... XU Ning, MO He - guo, XIANG Rong, et al (1956)

Bacterial Resistance Research

Research on the resistance development trend of *Escherichia coli* isolated from intra – abdominal infection and mechanism of

carbapenem resistance YU Chun, MAO Xing - long, ZENG Xue - yun, et al (1959)

Clinical distribution and drug resistance analysis of 120 strains of methicillin resistant *Staphylococcus aureus*

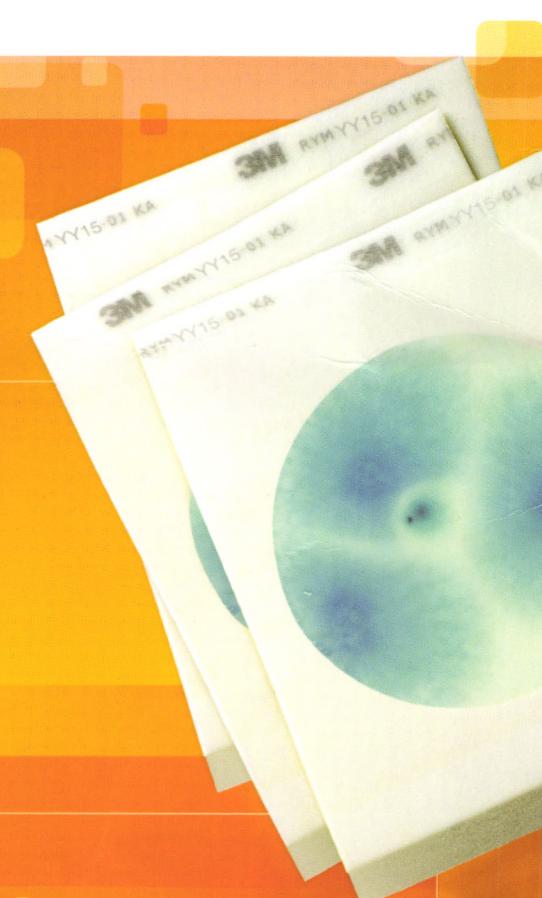
..... ZHANG Hong - yan, ZHAO Juan, DING Shao - chuan, et al (1963)

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