Nucleus® 24
Cochlear Implant System

1. Sound is received by microphone
2. Sound is sent from microphone to speech processor
3. Speech processor analyzes and digitizes the sound into coded signals
4. Coded signals are sent to the transmitter
5. Transmitter sends the code across the skin to the internal implant
6. Internal implant converts code to electrical signals
7. Signals are sent to the electrodes to stimulate the remaining nerve fibres
8. Signals are recognized as sounds by the brain producing a hearing sensation

SP™ – the body worn speech processor
ESP™ – the ear level speech processor

Cochlear